TFT PORTABLE DVB-T/DVD PLAYER

SUNSTECH PLF-77TD

SERVICE MANUAL

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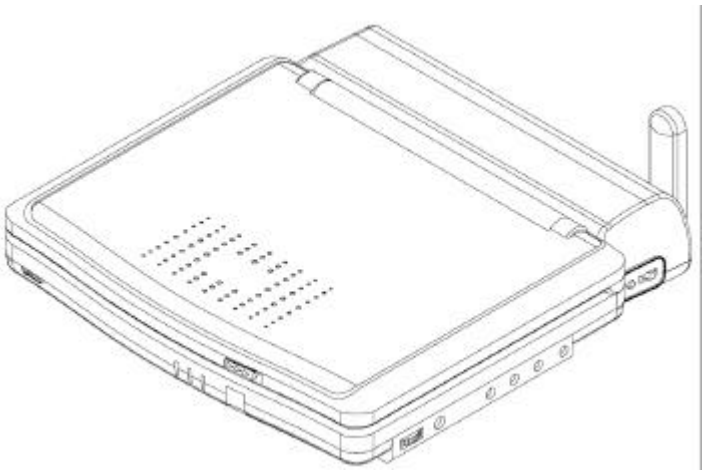
R598MB

CAUTION: Before servicing the chassis, read the "IMPORTANT SERVICE SAFETY INFORMATION" section on page 2 of this manual.

SPECIFICATIONS

- **GENERAL SPECIFICATION**
- 7" ACTIVE-MATRIX TFT TYPE.
- DVD, VCD, CD, CD-R, CD-RW, MP3, DIVX, HDCD SUPPORTS.
- USB FUNCTION
- 16:9 / 4:3 PICTURE SELECT.
- HIGH BRIGHTENNESS.
- HIGH CONTRAST.
- WITH LOGO OPENING SCREEN.
- SLOW MOTION ½, 1/4, 1/8, 1/16
- F.B / F.F x2, x4, x8, x16 SPEED.
- ANGLE MENU.
- 20 TRACK PROGRAM FOR CD PLAYING.
- ZOOM x 2, 3, 4.
- REMOTE CONTROL.
- S. VIDEO OUTPUT (for Ext. TV Monitor)
- HEADPHONE OUT x 1.
- AUDIO OUTPUT 0.5W x 2/8 ohm.
- LONG BATTERY TIME OF OVER 2 HRS.
- DIMENSION :
  212(L) x 170(W) x 430(H) mm(excluding battery)
- AC POWER SOURCE:
  ADAPTER: 230V
- DC POWER SOURCE: BATTERY PACK: 7.2V
- **FEATURES FOR DVB-T TUNER (FREE ON AIR)**
- FREQUENCY RANGE :
  VHF CH5 – CH12 (174MHZ – 230MHZ)
  UHF CH21 - CH69 (470MHZ – 862MHZ)
- 1,000 PROGRAMMABLE FAVORITE CHANNELS
- 9 PICTURES FOR PROGRAM AUTO-SCAN
- EPG FUNCTION SUPPORT (TELE-TEXT OPTION)
- PROGRAM LIST WITH PROGRAM PREVIEW AFTER TUNER POWER ON
- OSD TRANSPARENT ADJUSTMENT.
- FULL FUNCTION REMOTE CONTROL



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Note: Follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

IMPORTANT SERVICE SAFETY INFORMATION

1. SAFETY PRECAUTIONS

Before returning a unit to the customer, always make a safety check of the entire unit, including, but not limited to the following items:

a. Be sure that no built-in protective devices are defective and/or have been defeated during servicing.

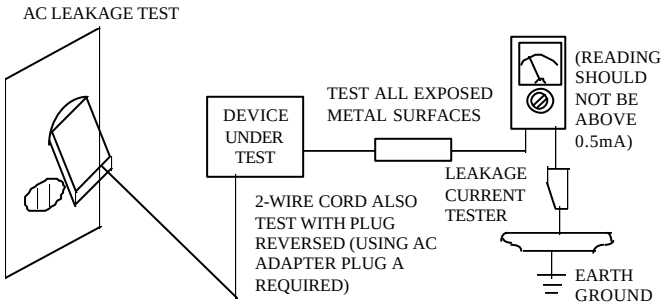
(1) Protective shields are provided to protect to protect both the technician and the customer. Correctly replace all missing protective shields including any removed for servicing convenience.

(2) When reinstalling the chassis and/or other assemblies in the cabinet, be sure to put back in place all protective devices, including, but not limited to, nonmetallic control knobs, insulating fishpapers, adjustment and compartment covers/shields and isolation resistor capacitor networks. Do not operate this unit of permit it to be operated without all protective devices correctly installed and functioning.

b. Be sure that there are no cabinet openings through which an adult or child might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, excessively wide cabinet ventilation slots, and an improperly fitted and/or incorrectly secured cabinet back cover.

c. Leakage Current Hot Check - With the unit completely reassembled, plug the AC line cord directly into a AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards institute (ANSI) C101.1 "Leakage Current for Appliances" and Underwriters Laboratories (UL) 1410, (50.7). With the unit AC switch first in the ON position and then in the OFF position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the unit (antennas, handle bracket, metal cabinet, screwheads, metallic overlays, control shaft, ect.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5 milliamp. Reverse the unit power cord plug in the outlet and repeat test.

ANY MEASUREMENTS NOT WITHIN THE LIMITS SPECIFIED HEREIN INDICATE A POTENTIAL SHOCK HAZARD THAT MUST BE ELIMINATED BEFORE RETURNING THE UNIT TO THE CUSTOMER.

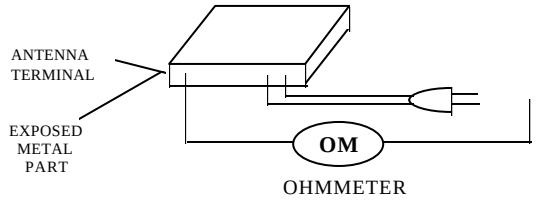

AC LEAKAGE TEST
DEVICE UNDER TEST
TEST ALL EXPOSED METAL SURFACES
(READING SHOULD NOT BE ABOVE 0.5mA)
LEAKAGE CURRENT TESTER
2-WIRE CORD ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG A REQUIRED)
EARTH GROUND

d. Insulation Resistance Test Cold Check

(1) Unplug the power supply cord and connect a jumper wire between the two prongs of the plug.

(2) Turn on the power switch of the unit.

(3) Measure the resistance with an ohmmeter between the jumpered AC plug and each exposed metallic cabinet part on the unit, such as screwheads, antenna, control shaft, handle brackets, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1 and 5.2 Megohm. When there is no return path to the chassis, the reading must be "infinite". If it is not within the limits specified, there is the possibility of a shock hazard, and the unit must be repaired and rechecked before it is returned to the customer.



2. PRODUCT SAFETY NOTICE

Some electrical and mechanical parts have special safety related characteristics which are often not evident from visual inspection, nor can be protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by a ⚠ on schematic and parts list. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire, and/or other hazards. Product Safety is under review continuously and new instructions are issued whenever appropriate.

3. SERVICING PRECAUTIONS

CAUTION: Before servicing the unit covered by this service manual and its supplements, read and follow the SAFETY PRECAUTIONS on this page. NOTE: If unforeseen circumstances create a conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions.

a. Always unplug the unit's AC power cord from the AC power source before:

(1) removing or reinstalling any component, circuit board, module, or any other unit assembly.

(2) disconnecting or reconnecting any unit electrical plug or other electrical connection.

(3) connecting a test substitute in parallel whit an electrolytic capacitor in the unit.

Caution: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

b. Do not defeat any plug/socket B+ voltage interlocks with which the unit covered by this service manual might be equipped.

c. Do not apply AC power to this unit and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.

d. Always connect a test unit ground lead to the unit chassis ground before connecting the test unit positive lead. Always remove the test instrument's ground lead last.

4. LASER PRECAUTIONS

WARNING!

1. When servicing (in case it is necessary to confirm Laser Beam Emission), be sure not to place your eyes any closer than 1 ft or 30cm from the surface of the Object Lens on the Optical Pickup Block.

HANDLING THE LASER PICKUP

2. Laser diodes are extremely susceptible to damage from static electricity. Even if a static discharge does not ruin the diode, it can shorten its life or cause it to work improperly. When replacing the pickup, use a conductive mat on the floor and desk and wear a wrist

band connected to ground through a 1M ohm resistor to protect the laser diode from static damage. If the lens should get dusty, blow off the dust carefully from the object.

3. There are no adjustable parts in the pickup assembly. If it is defective, replace the whole pickup assembly.

CAUTION:

USE OF CONTROLS, ADJUSTMENTS OR PERFORMANCE OF PROCEDURES HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

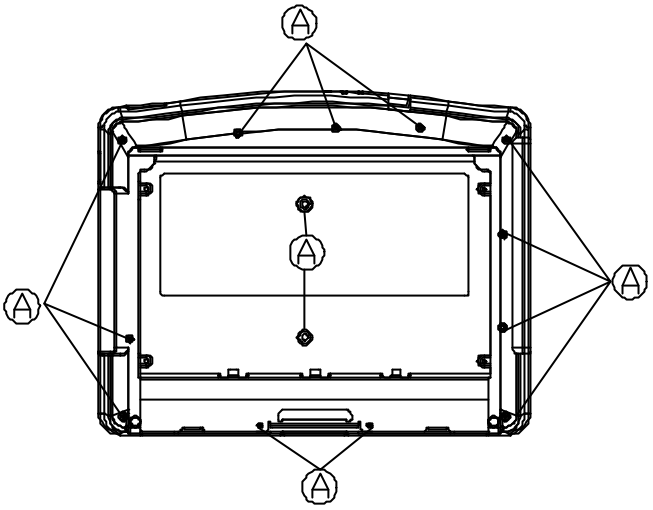
DANGER:

IF INTERLOCK FAILS OR IS DEFEATED, THE LASER LIGHT IS ABLE TO FUNCTION. THE LASER IS INVISIBLE, AVOID DIRECT EXPOSURE TO BEAM.

DISASSEMBLY FOR REPAIR

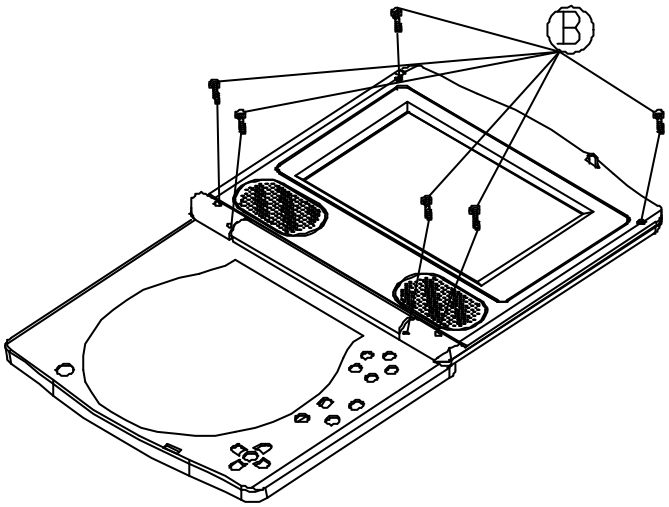
TO DISASSEMBLY THE BOTTOM METAL CABINET

1. Remove the 14 screws (A) from bottom metal cabinet.

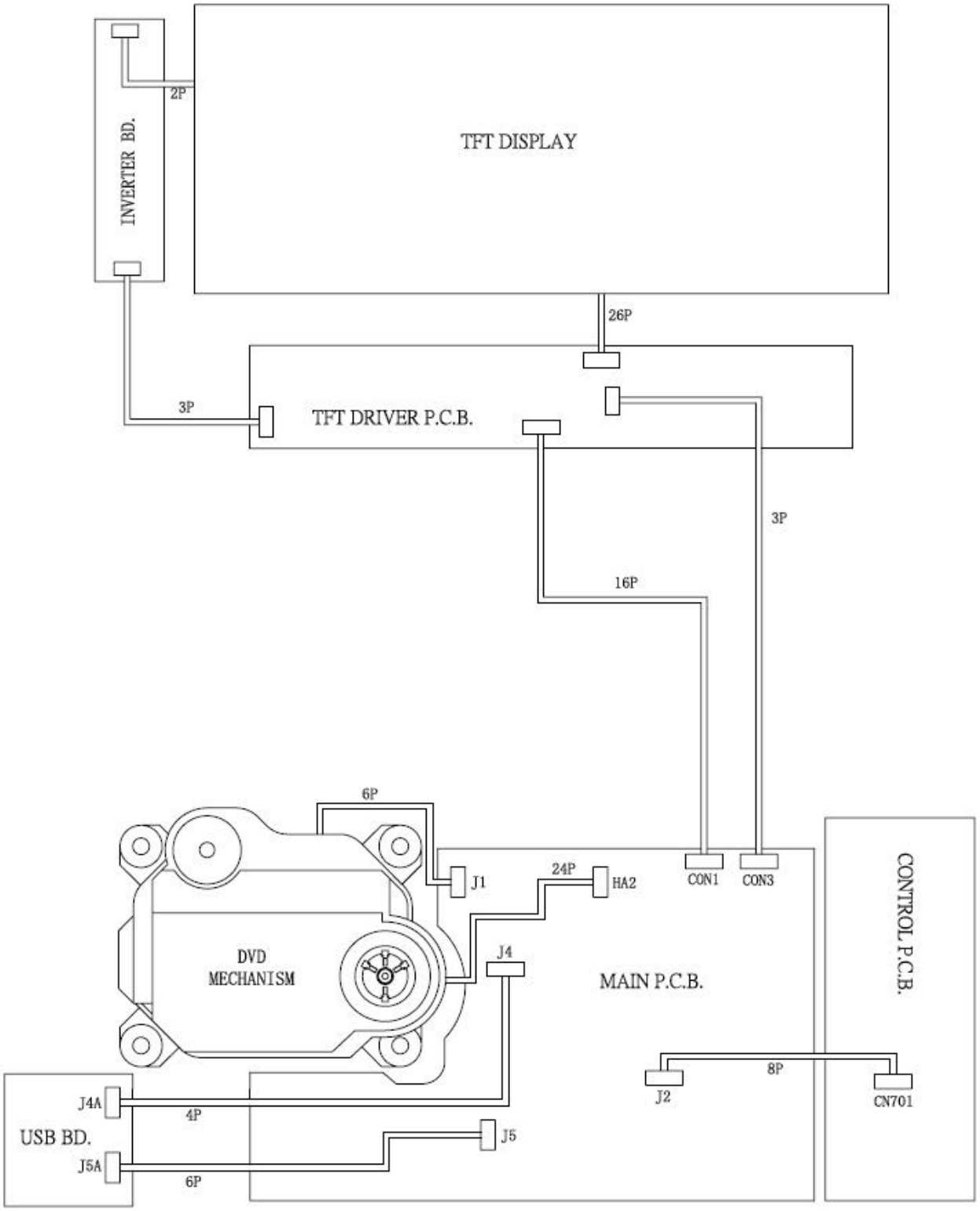


TO REMOVE THE INNER PANEL

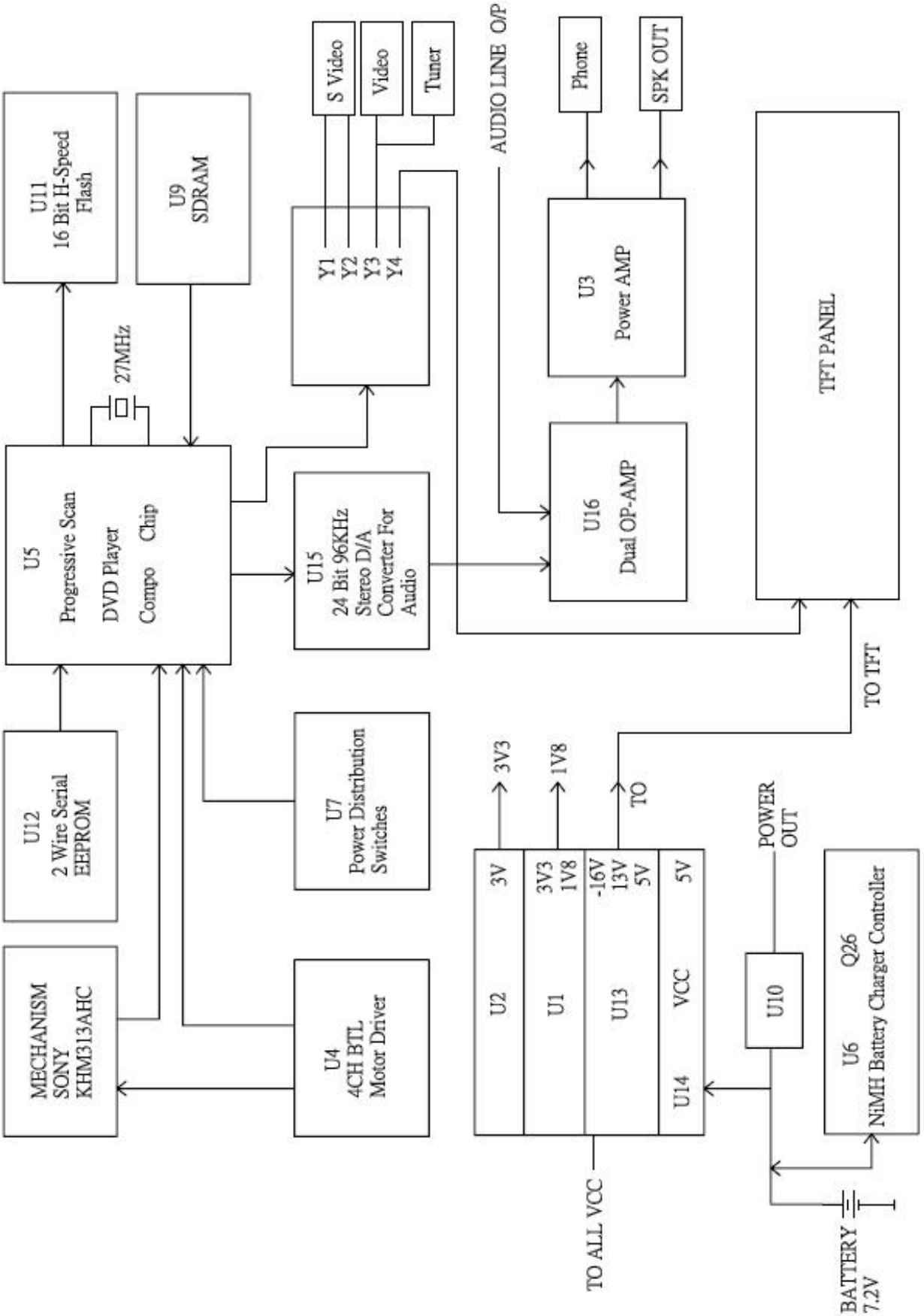
2. Remove the 6 screws (B) from the inner panel and out panel.



WIRING DIAGRAM

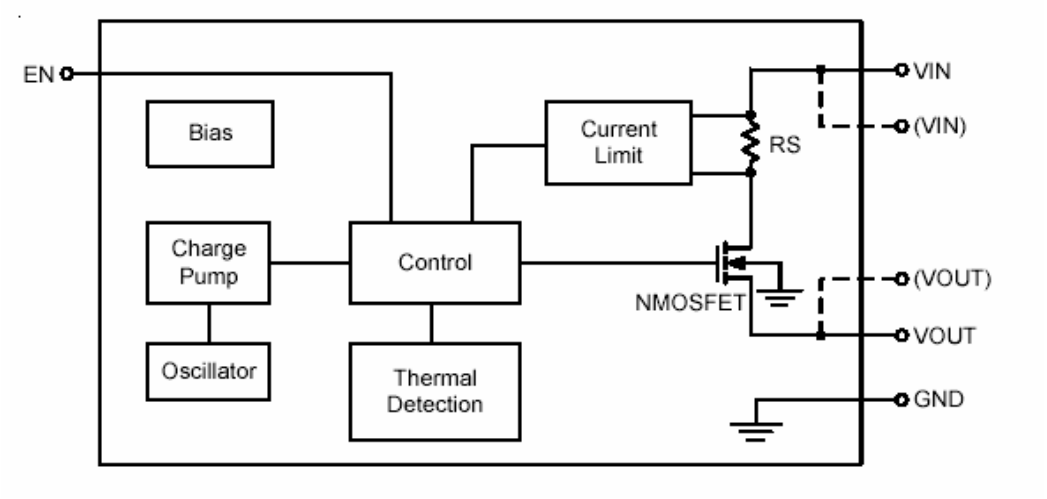


BLOCK DIAGRAM

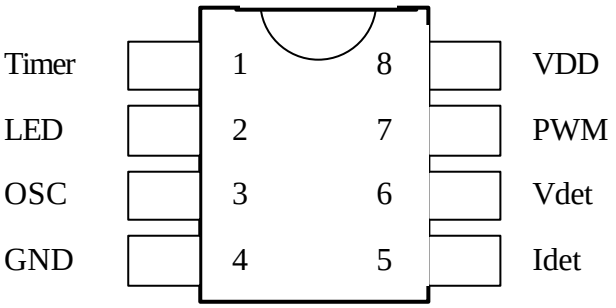


CIRCUIT DESCRIPTION

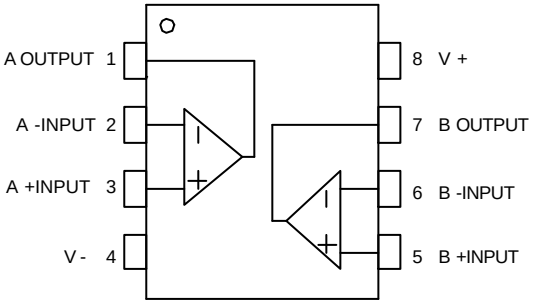
100m? Power Distribution Switches: RT9701CB (U7)



NiMH BATTERY CHARGER CONTROLLER: LS2964S (U6)

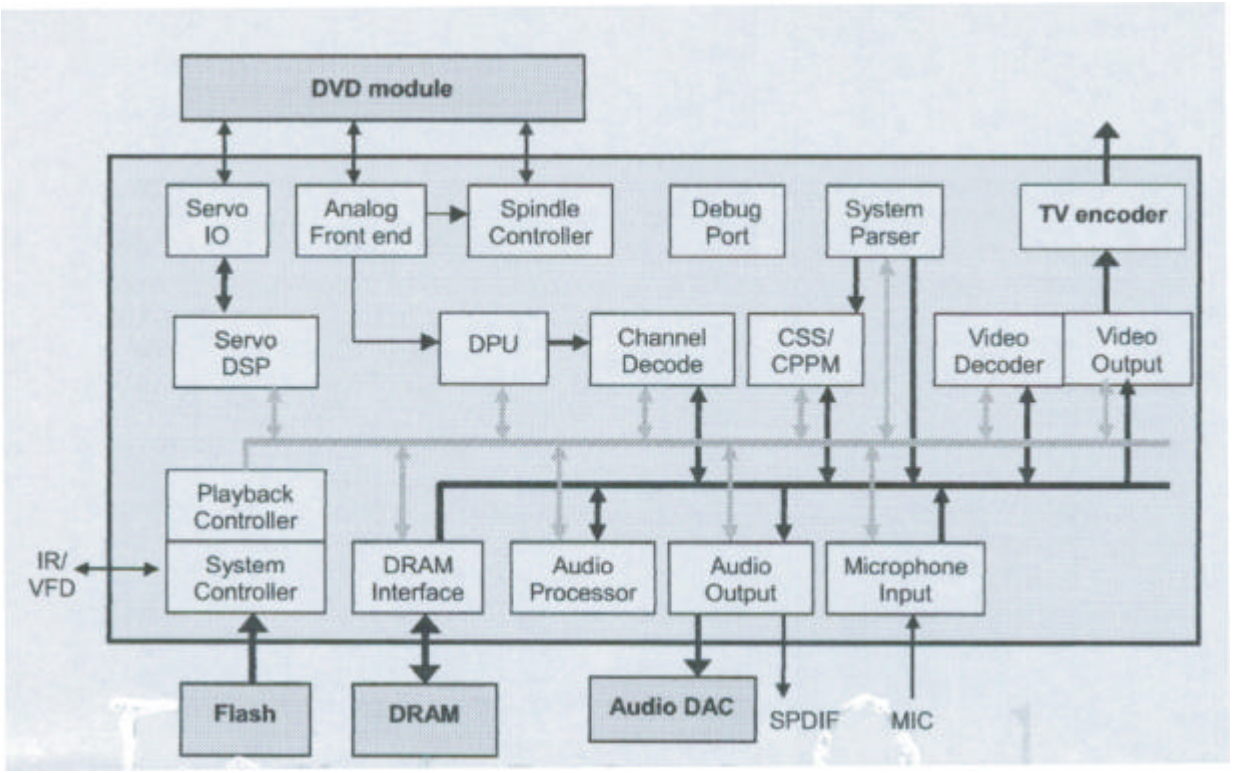


DUAL OPERATIONAL AMPLIFIER: RC4558D (U7,16)

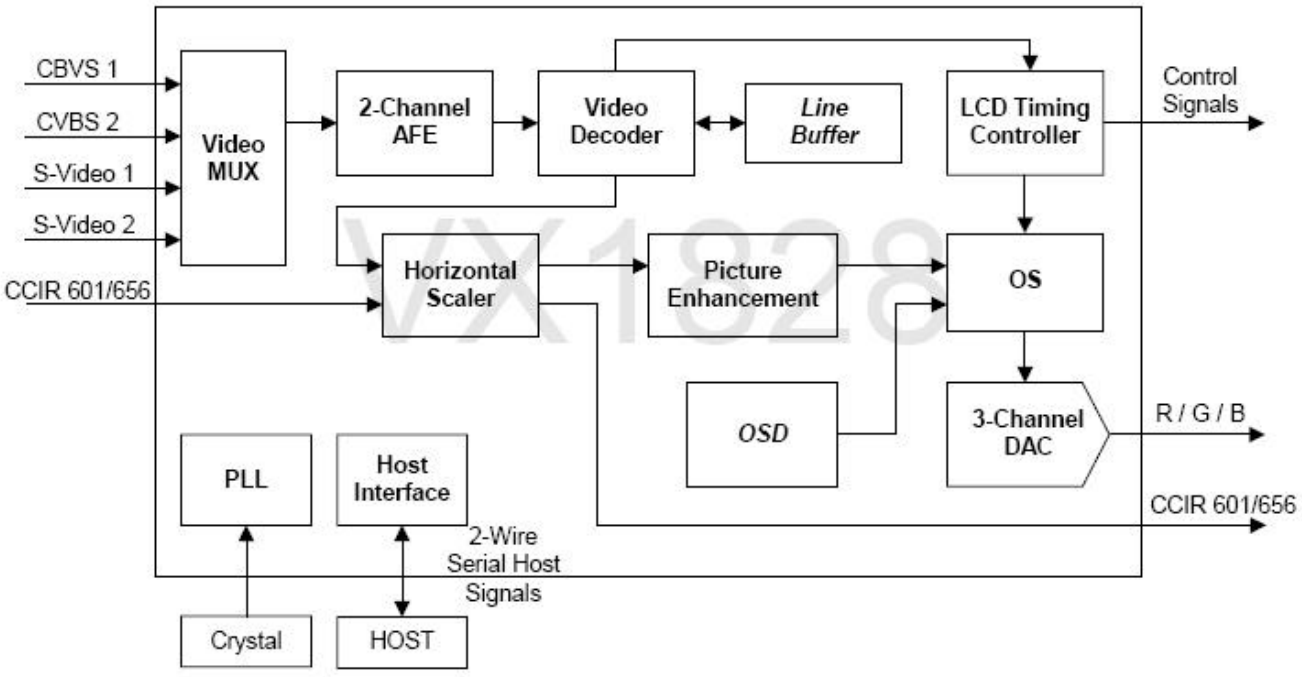


CIRCUIT DESCRIPTION

PROGRESSIVE SCAN DVD PLAYER COMBO CHIP: MT1389DE/B-L (U5)

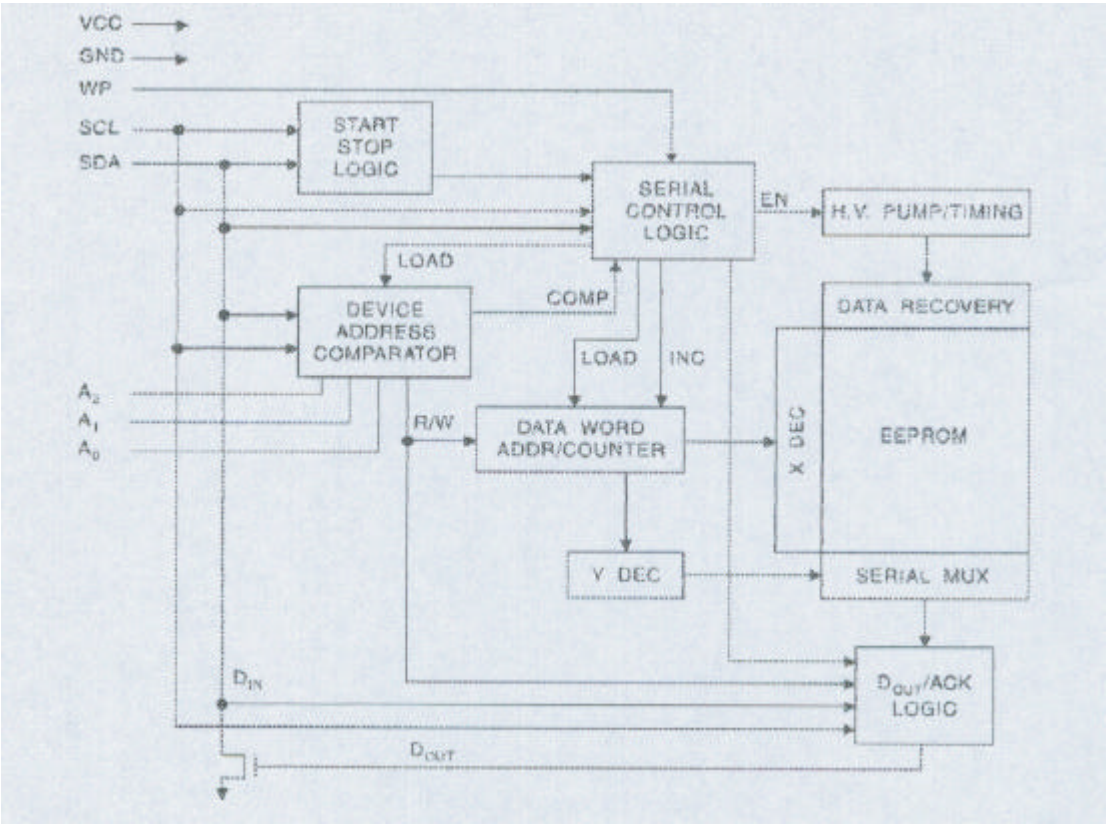


VIDEO PROCESSOR FOR MIDDLE SIZE LCD PANEL: VX1828 (U1)

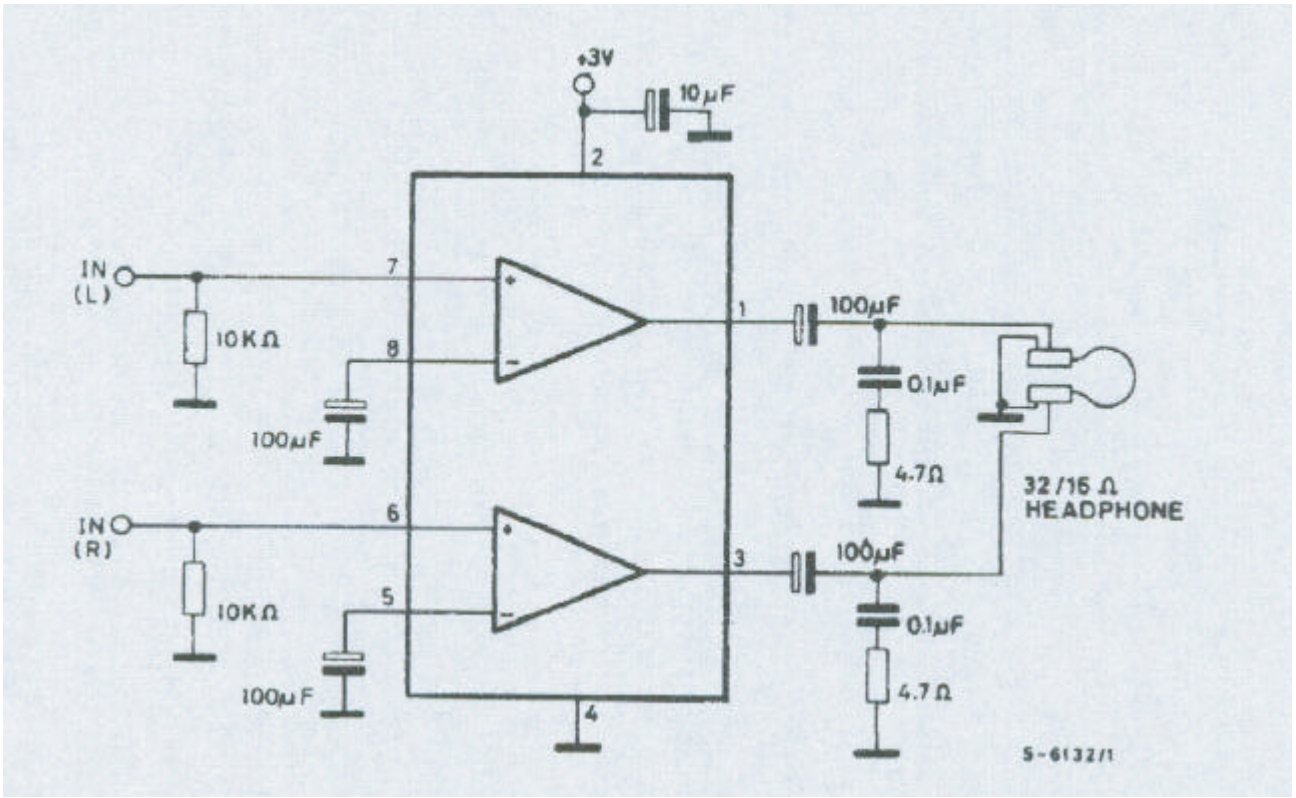


CIRCUIT DESCRIPTION

2-WIRE SERIAL EEPROM: AT24C02BN-10SU-1.8 (U6,U12)

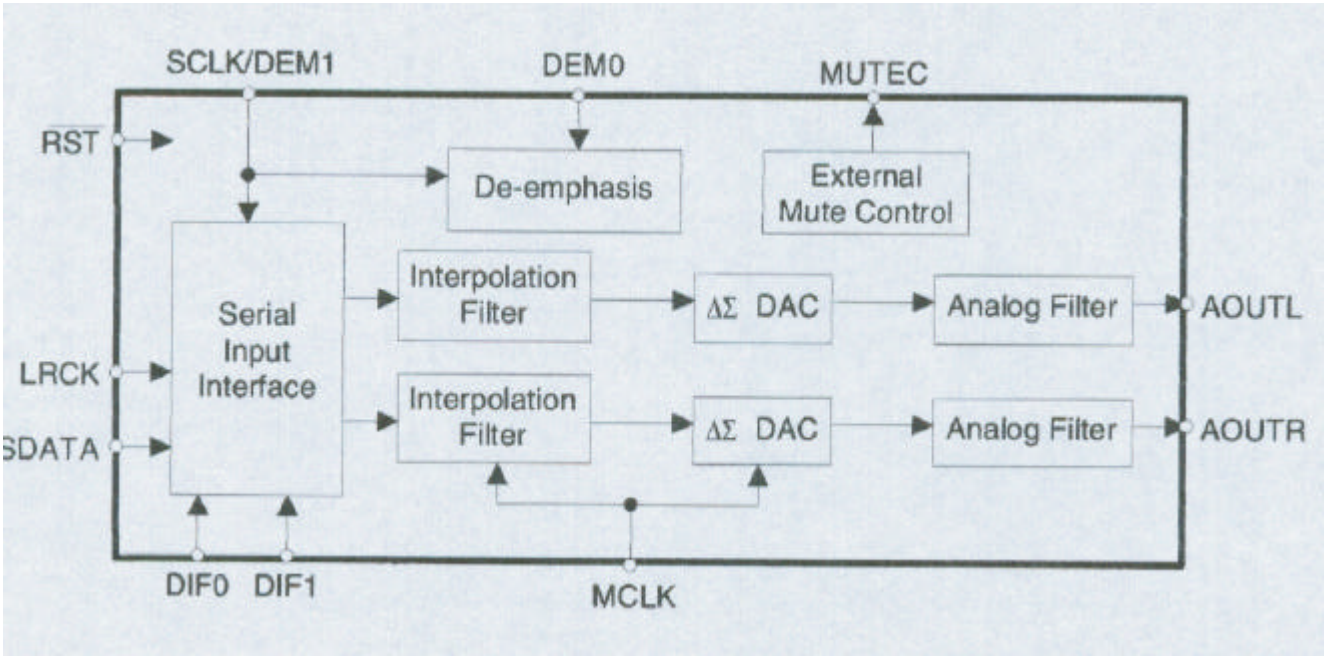


DUAL LOW-VOLTAGE POWER AMPLIFIER: NJM2073M (U3)

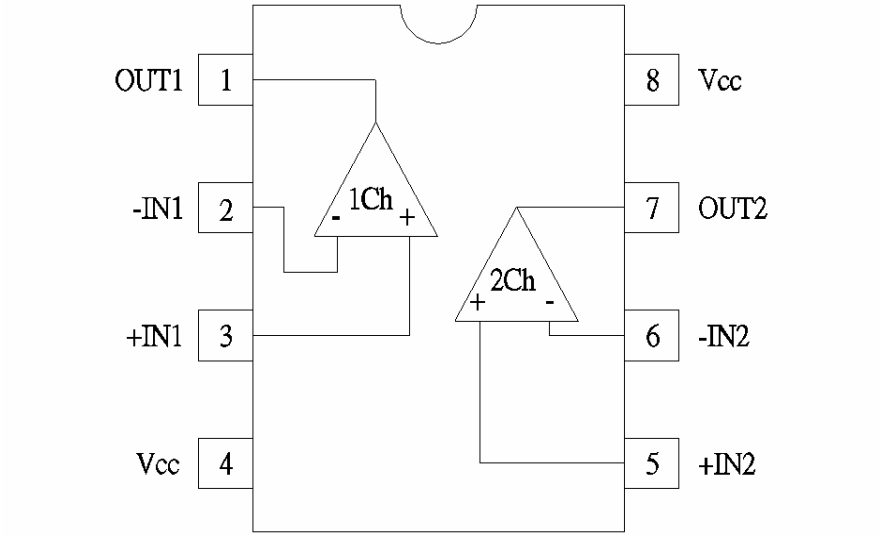


CIRCUIT DESCRIPTION

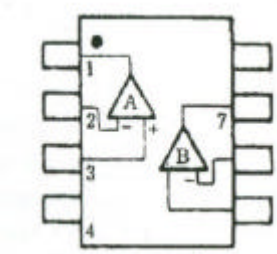
24-BIT, 96 KHZ STEREO D/A CONVERTER FOR AUDIO: CS4340 (U15)



DUAL COMPARATORS: LM393DR (U10)

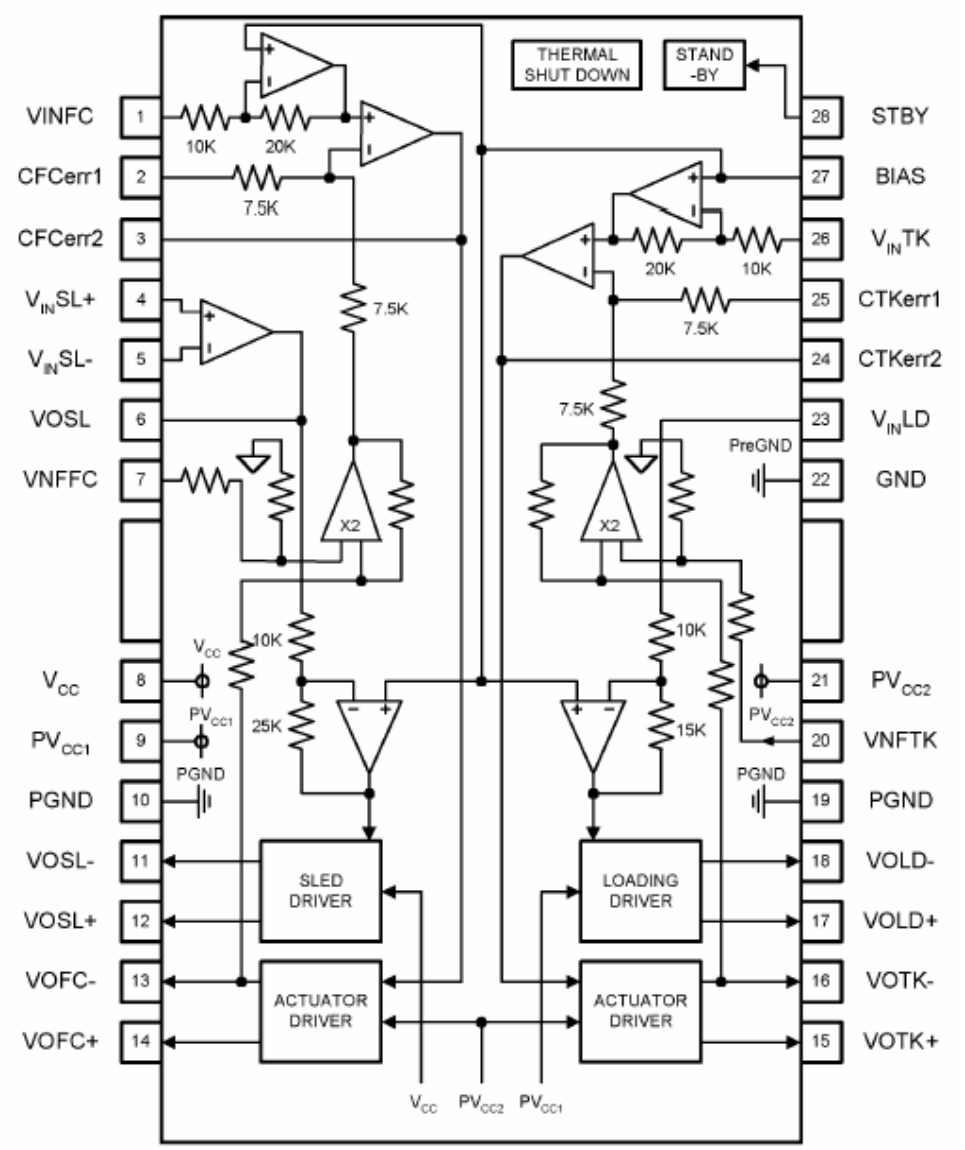


SINGLE-SUPPLY DUAL HIGH CURRENT OPERATIONAL AMPLIFIER: NJM3414AM-TE1(U3)

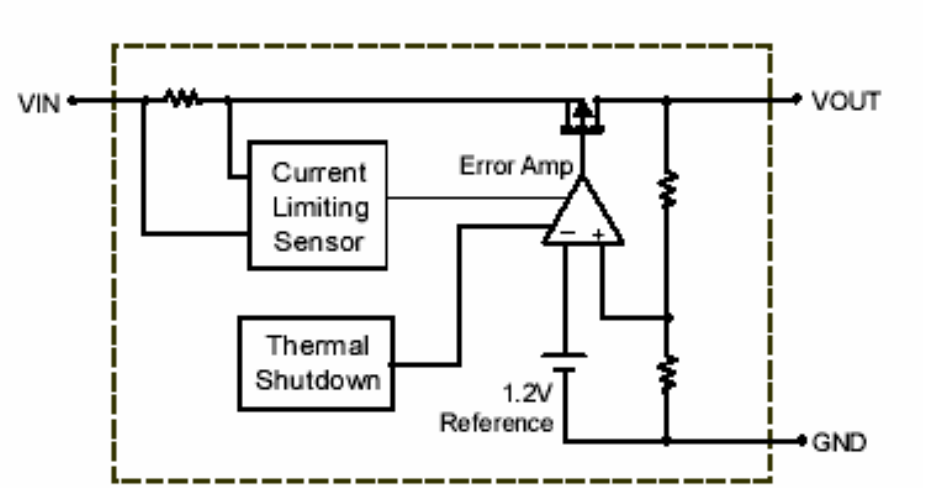


CIRCUIT DESCRIPTION

4-CHANNEL BTL MOTOR DRIVER FOR CD-ROM: AT5654H (U4)

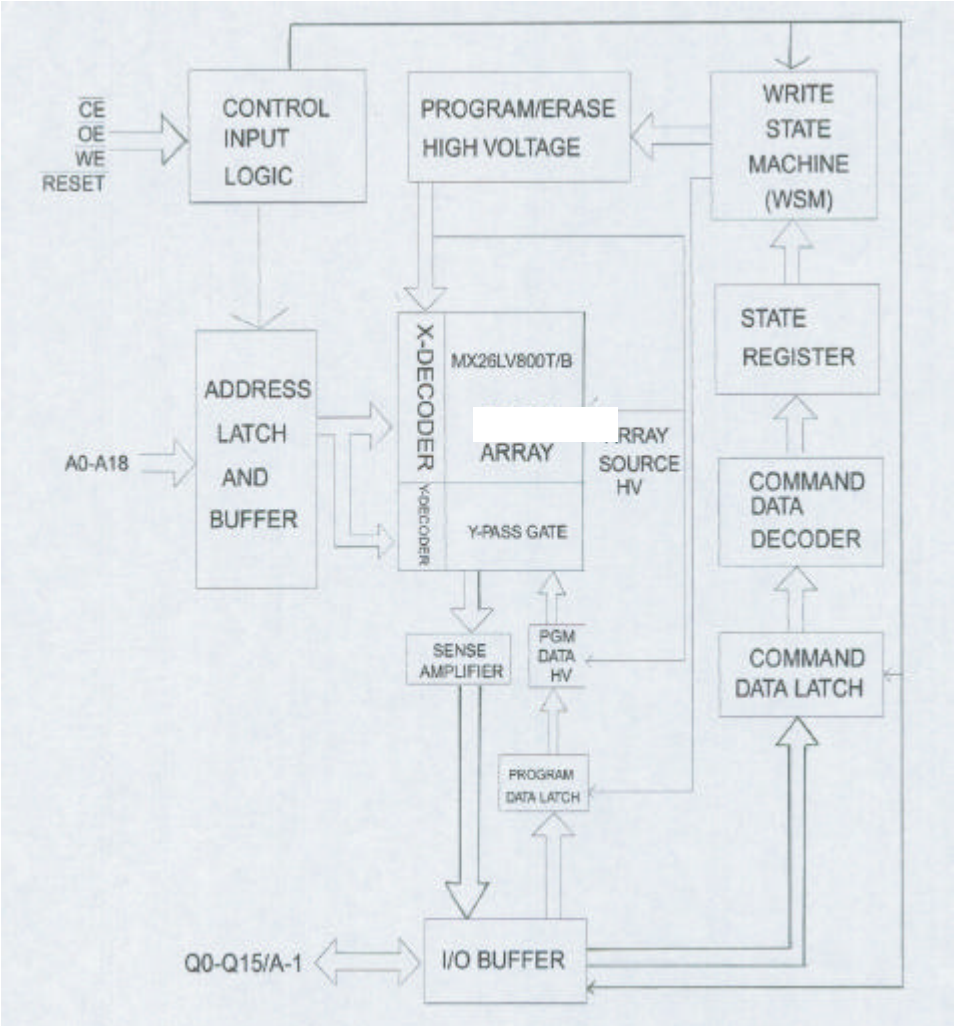


300/500MA LOW DROPOUT LINEAR VOLTAGE REGULATOR: RP1101-19CXL(U1), RP1102-33CGL (Q2)

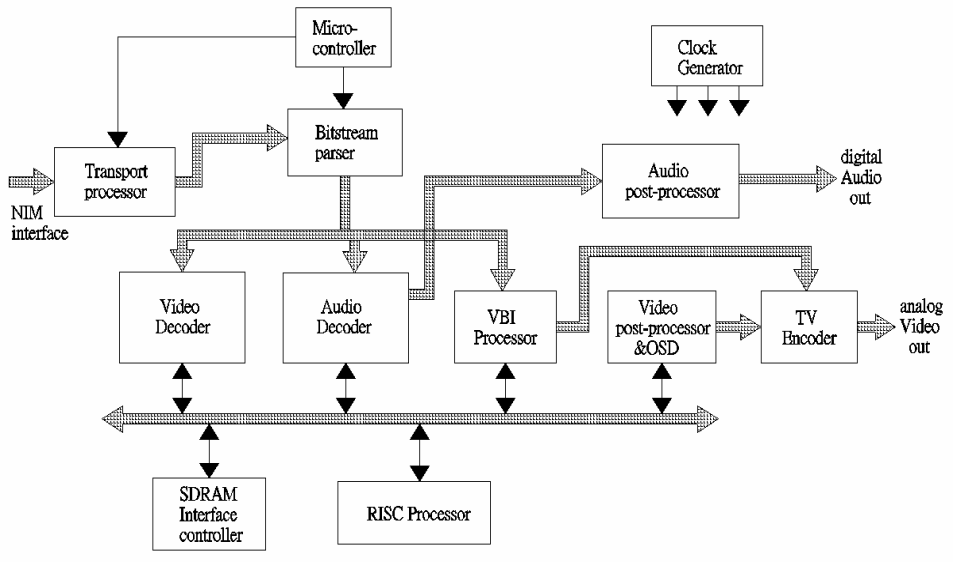


CIRCUIT DESCRIPTION

8M/16M-BIT CMOS SINGLE VOLTAGE 3V ONLY HIGH SPEED FLASH: AT49BV163A-70TU (U11) , S29AL008D70TFI020 (U4)

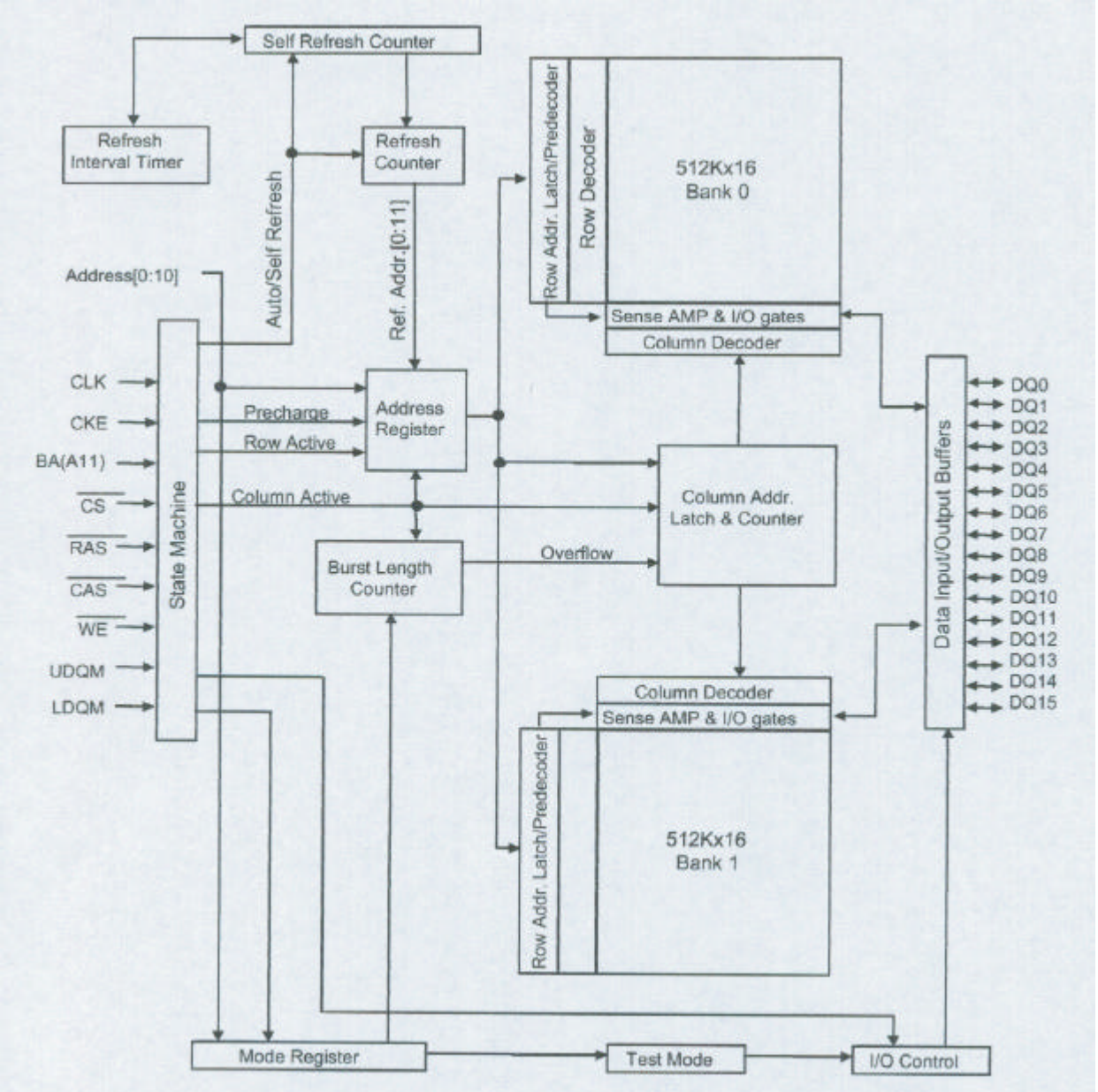


DIGITAL TV STB BACKEND PROCESSOR: CT212T (U3)

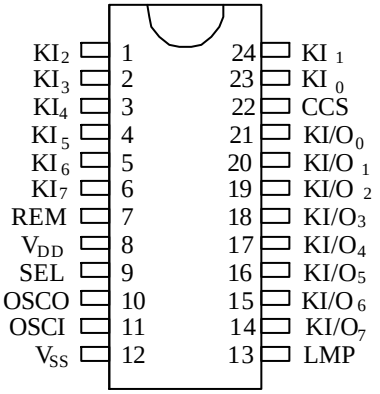


CIRCUIT DESCRIPTION

2 BANKS X 512K X 16 BIT SYNCHRONOUS DRAM : K4S641632H-UC75 TSOP-54 (U1,U9)

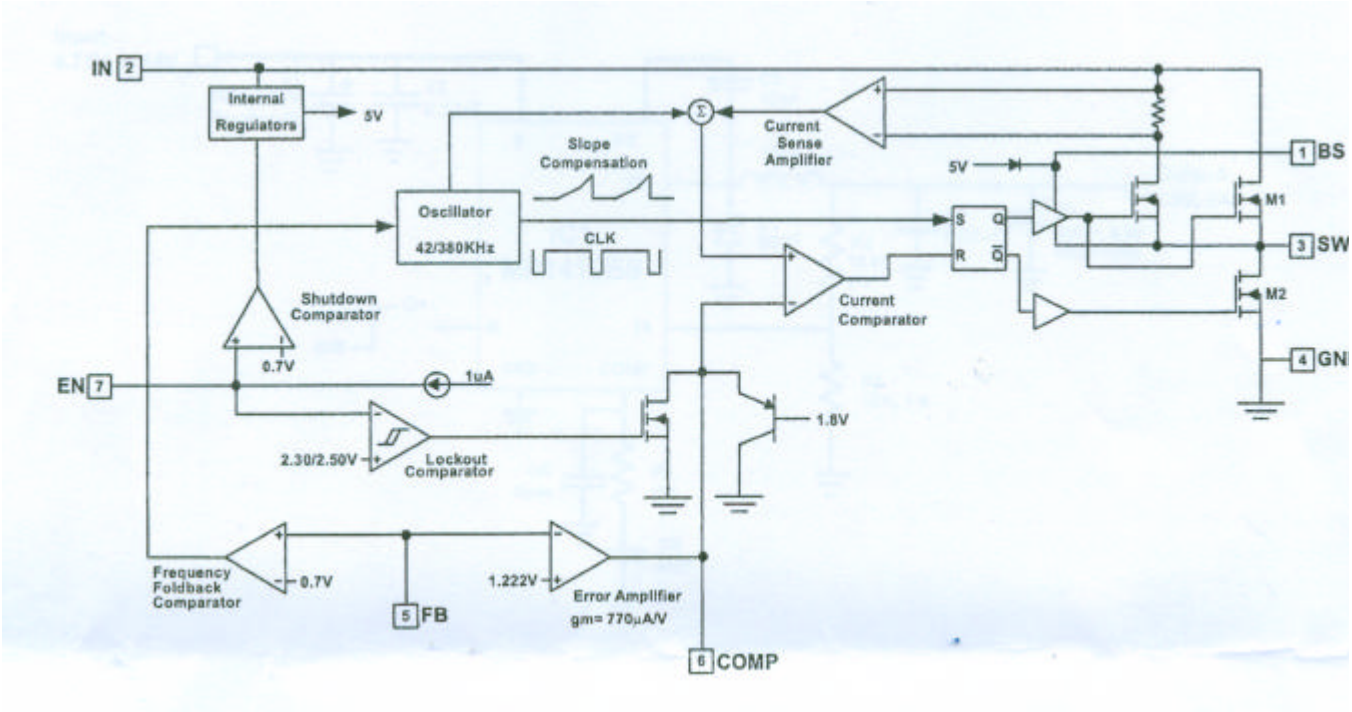


INFRARED REMOTE CONTROL TRANSMITTER : SC6122-001 (IC1)

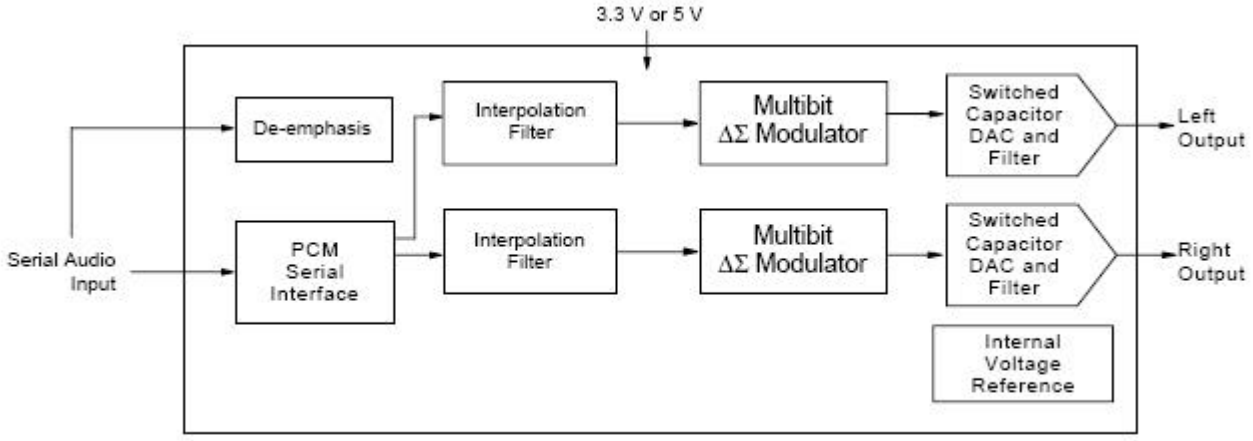


CIRCUIT DESCRIPTION

2A STEP DOWN DC TO DC CONVERTER: MP9141ES-LF-Z (U8, 9)

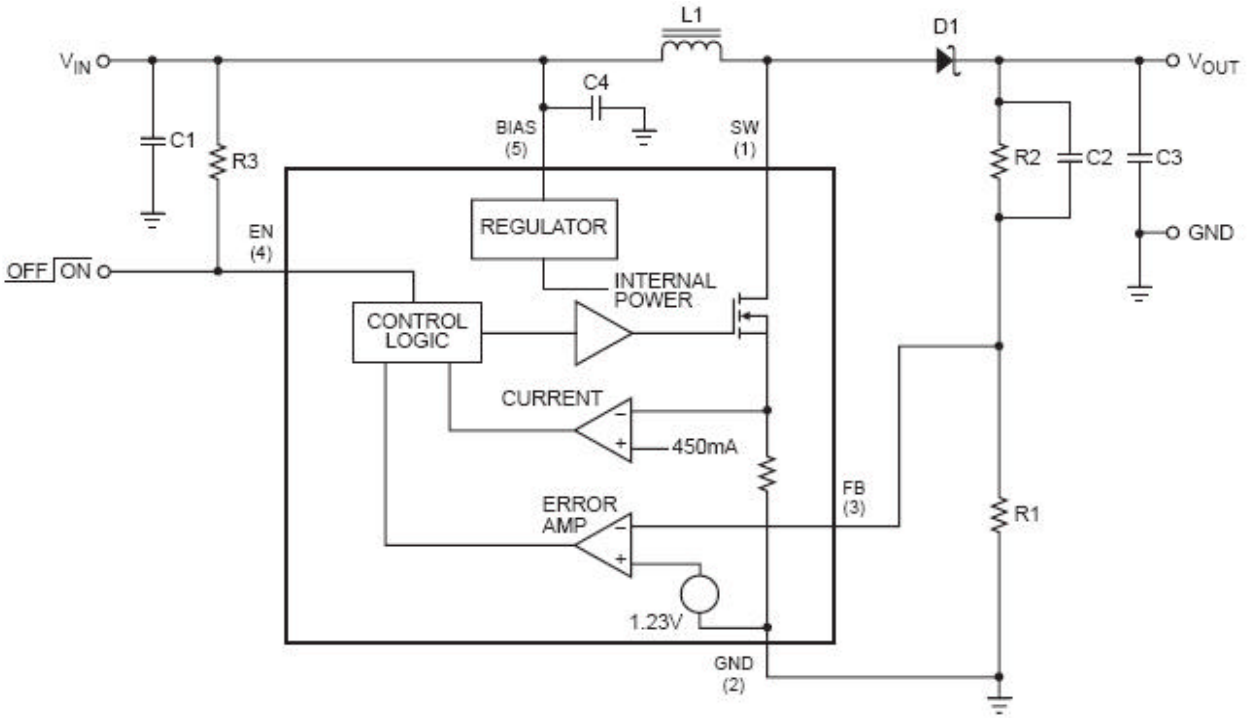


10-pin, 24-Bit, 192 kHz Stereo D/A Converter: CS4345 (U5)

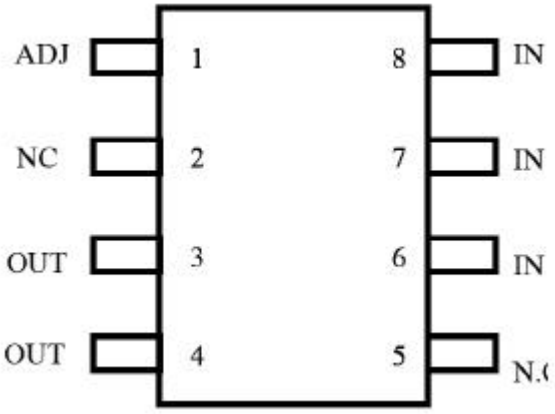


CIRCUIT DESCRIPTION

25V STEP-UP CONVERTER IC: MP1522ET (U1)



DIGITAL TV STB BACKEND PROCESSOR: B1117N-ADJ (U10)



PARTS LIST

Ref. No	Parts No.	Description	QTY
	2772M-STD-31	2772MB 120-230V VDE APP. STD ASSY	1
	059-05202-100-102	SW.ADAPTOR(SPEC LIN)VDE:EN60065;W/M.I.C SW0901500-W02(GP) 100~240V;TUV/CE;ROHS	1
	HS-R598MB-GY-410	R598MB H/S CHASSIS W/COSMETIC ASSY(ROHS) L.GY.MNC7-0 "SUNSTECH PLF-77TD" (48 KEY)	1
	001-04050-710	N405M REMOTE CONTROL P.C.B. (48 KEY) (ROHS)	1
IC 1	002-06122-330	IC SC6122-001 (SILAN) SOP-24 (SMT) (ROHS)	1
Q1	003-24081-140	CHIP TRANSISTOR 2SC4081(RS)-TLB (ROHM) (ROHS)	1
	004-01122-600	INFRARED EMITTING DIODES EL-1L2 (ROHS)	1
R1	005-52109-301	CHIP RESISTOR 1 OHM +-5% (1608) (ROHS)	1
C2,3	006-72181-250	CERAMIC CHIP CAP 180 PF +-5% 50V (1608) (ROHS) NPO	2
C1	009-10476C510	ELECT CAP 47 UF +80%-20% 10V (ROHS) (PIN LENGTH 9MM)	1
X1	028-00455-011	CERAMIC FILTER ZTB455E (MEC) (2 PINS) (ROHS)	1
	041-04051-002	N405 HANDSET BATTERY PLATE (+) (ROHS)	1
	041-04052-002	N405 HANDSET BATTERY SPRING (-) (ROHS)	1
	104-04050-0956	N405M H/S BOTTOM CAB. (L.GREY MN7-0) (ROHS)	1
	111-04050-0956	N405M H/S BATTERY DOOR (L.GREY MN7-0) (ROHS)	1
	125-04050-004	M593MB H/S MEM.SW.PLATE(ROHS)W/RED 032C/ SIL.8001C/GN.375C 2X/SIL.GY.8403C/WH.SK.	1
FOR HENDSET	144-11405-402	SCREW 1.4 X 5 KB	7

Ref. No	Parts No.	Description	QTY
		(D=2.5MM) ;ROHS	
	R519MB-SIL-KNOB	R519MB SILVER KNOB VERSION ASSY(ROHS)	1
	127-04625-1974	R519MB POWER KNOB (SP.SIL.SS9-1/ABS) (ROHS)	1
	127-04627-1974	R519MB PANEL OPEN KNOB (SP.SIL.SS9-1/ABS) (ROHS)	1
	128-05180-0974	R519MB BUTTON 'A' (LEFT/RIGHT) (ROHS) (SP.SIL.SS9-1)	1
	128-05181-0974	R519MB BUTTON 'B' (UP/DOWN) (ROHS) (SP.SIL.SS9-1)	1
	128-05182-0974	R519MB BUTTON 'C'(SETUP/DIS./TITLE/MENU) (SP.SIL.SS9-1) (ROHS)	1
	128-05183-0974	R519MB BUTTON 'D' (SKIP F.F./F.R.) (SP.SIL.SS9-1) (ROHS)	1
	128-05184-0974	R519MB BUTTON 'E' (STOP/PAUSE) (SP.SIL.SS9 -1) (ROHS)	1
	128-05185-0974	R519MB BUTTON 'F' (PLAY) (SP.SIL.SS9-1) (ROHS)	1
	128-05189-0974	R519MB DISC.OPEN BUTTON (SP.SIL.SS9-1) (ROHS)	1
	129-05180-000	M518 DOOR BRACKET;ROHS	2
	129-05189-000	M518 DISC DOOR OPEN BRACKET;ROHS	1
	M462-CAR-ADAPTOR-09	R598MB CAR ADAPTOR ASSY (OUTPUT DC 9V,1.2A)	1
	001-35000-400	3500MC CAR BAT SUPPLY P.C.B. (ROHS)	1
D1-4	004-05401-300	RECTIFIER IN-5401 (ROHS)	4
R1	005-10152-314	RESISTOR 1.5 K +-5% 1/4W (ROHS)	1
C1	006-10203-550	CERAMIC CAP 0.02 UF +80%-20% 50V (ROHS)	1
C2	009-10107-525	ELECT CAP 100 UF +80%-20% 25V (ROHS)	1
D10	019-12000-110	L.E.D. DIAMETER 3MM(RED) SEL-2110R (ROHS)	1
	031-02600-040-	JUMPER WIRE AWG22UL 60MM	1

Ref. No	Parts No.	Description	QTY
	001	RED (ROHS)	
	031-10500-100-001	JUMPER WIRE AWG22UL 50MM BLACK(ONE SIDE 4MM,ONE SIDE 10MM) (ROHS)	1
	043-20192-300	T409 DC CORD 75"#20 WH/BLK (2P)W/BUSHING &DC PLUG (Y001-D19102C458505Q)(Y.C.) (ROHS)	1
	050-05020-201	2A/250V GLASS FUSE 5X20 FAST ACTING;ROHS BUSSMANN/S500 UR/VDE/SEMKO/IMQ/BSI APP.	1
	101-97030-010	9703 CAR ADAPTOR FRONT CABINET (BLACK) (ROHS)	1
	102-97030-010	9703 CAR ADAPTOR REAR CABINET (BLACK) (ROHS)	1
	105-97030-010	9703 CAR ADAPTOR CAP (BLACK) (ROHS)	1
	133-97031-311	GT9839 (9703) CAR ADAPTOR SPRING PLATE T=1.0MM (ROHS)	1
	133-97035-304	9703 CAR ADAPTOR SPRING T=0.4MM (ROHS)	1
	133-97036-352	9703 CAR ADAPTOR PLUG (GENERAL TECHNIC) (ROHS)	1
FOR CAR ADAPTOR FRONT CABINET	144-12608-111	SCREW 2.6 X 8 RT (BLACK) (ROHS)	4
20MM X 1(D5)	202-10005-002	TINNED CCS WIRE (DIA. 0.5MM);ROHS (TIN PLATE WIRE W/STEEL)	0.000065
	R572M-DVD-LOADER	R572M LOADER (SONY KHM313AHC) SUBASS'Y	1
MAIN PCB (J1) TO LOADER	025-10006-149	6P J.WIRE #30UL 100MM (2P 2MM) JST;ROHS	1
	037-45251-245	24P FILM CABLE 5+250+5 UL (P=0.5MM) (ROHS)	1
FOR LOADER	145-69912-100	PVC WASHER W/HOLE (L=9MM W=6.5MM T=1MM DIA.=3.3MM) (ROHS)	2
	160-00313-001	DVD MECHANISM SONY KHM313AHC (ROHS) (SLIM TYPE/BALL CLAW)	1
	161-03102-001	KHM-310 INSULATOR (IIR,HARDNESS=40 DEG) (SILICON RUBBER) ;ROHS	4
	M519M-CASING-02	M519M CASING ASSY (W/049-00706-007) (ROHS)	1
	029-02808-202-001	28MM SPEAKER 8 OHM NOR.:0.5W;MAX.:1W BLK CLOTH ON BACK (SMDC NO.:DS28-39) (ROHS)	2
FOR LCD GROUNDING	039-30005-000	SOLIDING LUG 5.5MM (DIA. 1.7MM) ;ROHS	1
	041-04621-002	M462 BATTERY CONTACT PLATE (+);ROHS	1
	041-04622-002	M462 BATTERY CONTACT PLATE (-);ROHS	1
	041-04623-002	M462 BATTERY PLATE SPRING (+/-);ROHS	2
	049-00706-009	TFT DISPLAY AT070TN07 V.A (INNOLUX);ROHS (7" TFT-LCD MODULE W/O LED DRIVER BD.)	1
	129-04629-010	M462 BATTERY CONTACT BRACKET (L) (BLACK/POM) ;ROHS	1
	129-04629-110	M462 BATTERY CONTACT BRACKET (R) (BLACK/POM) ;ROHS	1
	129-04629-210	M462 DISC DOOR OPEN SWTICH ADAPTOR (BLACK/POM) ;ROHS	1
	130-04624-110	M462 DISPLAY ADAPTOR RING (BLACK/POM) (ROHS)	1
	133-04099-302	T409 HOOK SPRING(ROHS)	1
	133-04621-115	M462 METAL PLATE (D) (IRON) (T=1.5 MM) (ROHS)	1
	133-04623-115	M462 METAL BRACKET (A) (IRON) (T=1.5 MM) (ROHS)	1
	133-04623-125	M462 METAL BRACKET (B) (IRON) (T=1.5 MM) (ROHS)	1
FOR CD DOOR SW. X 1	133-04624-306	M462 SW. SPRING (ROHS)	2

Ref. No	Parts No.	Description	QTY
FOR TFT SW. X 1			
	133-04625-360	M462 METAL PIN(A) (STEEL)(DIA.=6 MM) (ROHS)	1
FOR BATTERY LOCK	133-04626-103	M462 METAL PLATE (A) (IRON) (T=0.3 MM) (ROHS)	1
FOR BOTTOM CAB.	133-04629-305	M462 BATTERY PLATE SPRING FOR BOTTOM CAB. (ROHS)	2
FOR MAIN P.C.B. GROUNDING X 1	133-04629-303	M462 P.C.B. SPRING (B) (STEEL T=0.3)MM(ROHS)	2
FOR CONTROL P.C.B. GROUNDING X 1			
FOR P.C.B. GROUNDING	133-04629-305-002	M462 P.C.B. SPRING (A) (STEEL) (DIA.=0.5) (ROHS)	1
	133-05189-305-001	M518M DOOR BRACKET SPRING (DIA.=0.5MM) (ROHS)	1
	133-05589-306	R558 CD DOOR SPRING (T=0.6MM) (STEEL) (ROHS)	1
FOR BOTTOM CAB.	136-10015-480	RUBBER FOOT (DIA.4.8X1.5) MM W/ONE SIDE TAPE (ROHS)	1
FOR BOTTOM CAB.	136-10020-480	RUBBER FOOT (DIA.4.8X2)MM W/ONE SIDE TAPE (ROHS)	1
FOR BOTTOM BATTERY CAB. USE	136-10510-050	RUBBER 5 X 5 X 1MM (W/ONE SIDE TAPE) (ROHS)	2
FOR BATTERY USE	136-10530-100	RUBBER 10 X 5 X 3MM (W/ONE SIDE TAPE) (ROHS)	4
FOR 7" TFT USE	136-10540-100	RUBBER (10*5*4)MM W/ONE SIDE TAPE (ROHS)	2
FOR BATTERY SET	136-11501-200	RUBBER 20 X 15 X 1.5MM (W/ONE SIDE TAPE) (ROHS)	4
FOR BATTERY SET	136-21060-120	RUBBER 6 X 10 X 12MM (W/TWO SIDE TAPE) (ROHS)	1
FOR 24P FLAT WIRE ON LOADER	136-21503-200	RUBBER 15 X 2.5 X 20MM(W/TWO SIDE TAPE) (ROHS)	1
FOR TFT FRONT CAB.	136-80020-040	PANEL RUBBER FOOT (DIA.3.6X2.2)MM (GREY) (ROHS)	2
	138-04624-010	M462 DISC DOOR HOOK (BLACK/POM) ;ROHS	1
TFT FRONT CAB.	144-11405-201	SCREW 1.4X5 TB SILVER;ROHS	2
	144-11706-402	SCREW 1.7X6 KB;ROHS	12

Ref. No	Parts No.	Description	QTY
FOR BATTERY CAB.	144-11706-412	SCREW 1.7X6 KB (BLACK) ;ROHS	3
FOR TFT SPRING USE	144-12004-511	SCREW 2X4 CWB (BLACK) HARDEN (D=5MM T=0.5MM)(E6D8011-0) ;ROHS	2
FOR DOOR BRACKET	144-12006-300	SCREW 2*6 PWT (A);ROHS	1
FOR HINGE SHAFT	144-12606-111	SCREW 2.6X6 RT (BLACK) ;ROHS	1
FOR DISPLAY	144-21702-201	SCREW 1.7X2 BM;ROHS	1
	144-52005-122	SCREW 2X5 STR (TB) SILVER;ROHS	6
FOR BOTTOM CAB.	144-52008-112	SCREW 2X8 STR (TB) BLACK;ROHS	10
FOR BOTTOM CAB.	144-52010-112	SCREW 2*10 STR (TB) BLACK (SFBPN20100SM) (ROHS)	2
	145-24620-000	M462 METAL WASHER (A) (IRON) (T=1.0 MM) (ROHS)	7
FOR TFT FRONT CAB. X 1	146-50409-001	T409 MAGNET (NDFEB) 20X3.5X5MM "SMDC" (ROHS)	2
FOR TOP CAB. X 1			
	M593MB-BATT-ASSY-02	R598MB DVD BATTERY PACK CHASSIS ASSY (W/998-00000-090) (ROHS)	1
	103-05930-001	M593MB BATTERY CASY TOP (BLACK/ABS) (SP.MATT.BLACK) W/SIL.877C SK. ;ROHS	1
	104-05930-001	M593MB BATTERY CASE BOTTOM (BLACK/ABS) (ROHS)	1
	117-05930-0618	M593MB SENSOR FRONT COVER LENS (DARK SMOKY 801691/ABS) (ROHS)	1
	117-05931-0618	M593MB SENSOR REAR COVER LENS (DARK SMOKY 801691/ABS) (ROHS)	1
FOR TUNER-KEY P.C.B.	125-04092-003	T409 X'FORMER PC CUT SHEET (35X22X0.5)MM(ROHS)	1
	129-05933-010	M593MB SENSOR HOLDER (BLACK/ABS) (ROHS)	1
	129-05939-010	M593MB BATTERY BACKET (BLACK/ABS) (ROHS)	1
	130-55268-040	M526MB BATTERY LOCKER	1

Ref. No	Parts No.	Description	QTY
		(BLK./ABS) (SP.MATT.BLK.) (ROHS)	
	133-04629-306-001	M462 BATTERY HOOK SPRING (BLACK/STEEL) (DIA.=0.6MM) (ROHS)	1
	133-05939-306	M593MB SENSOR SPRING (DIA.:0.6MM) (ROHS)	1
	144-11704-411	SCREW 1.7X4 KT (BLACK) ;ROHS	2
FOR SENSOR COVER	144-51407-110	SCREW 1.4*7 STR (TA) BLACK;ROHS	2
FOR BOTTOM CAB.	144-52005-112	SCREW 2X5 STR (TB) BLACK (SFBPN205R0SM) ;ROHS	3
FOR BOTTOM CAB.	144-52010-112	SCREW 2X10 STR (TB) BLACK (SFBPN20100SM) ;ROHS	2
FOR BOTTOM CAB.	144-52012-112	SCREW 2*12 STR (TB) BLACK;ROHS	3
	998-00000-090	EPT NI-MH RECH.BATT. 7.2V 1500MAH (ROHS) EPT-50AA150H6S;2P 120MM WIRE+JST-XHP-2P	2
	R598MB-C-0410	R598MB DVD "SUNSTECH" COSMETIC ASSY SPRAY MATT.BLACK COLOR (ROHS)	1
	103-05180-902	R598MB TOP CAB(INJ.GY.MN7-0/ABS) (EMI.SP. SIL.SS9-1) W/D.GY.433C/ENTER(W/USB)ROHS	1
	104-04623-903	M526MB BOTTOM CAB.(INJ.BLK./ABS) (W/USB) ROHS (EMI SP.MATT.BLK.) W/SIL.877C/AV IN/OUT	1
	108-04622-9410	M526 INNER P."SUNSTECH" (INJ.L.GY.MN7-0) (EMI SP.SIL.SS9-1/MATT.BK.)426C SK;ROHS	1
	108-05180-9410	R598 OUTER PANEL"SUNSTECH"(INJ.GY.MN7-0/ ABS)(EMI.SP.SIL.SS9-1)W/D.GY.433C (ROHS)	1
	113-05180-004	R598 DVD DOOR (INJ.GY./ABS#PA-777D)	1

Ref. No	Parts No.	Description	QTY
		ROHS(SP.SIL.SS9-1) W/D.GY.433C(DIVX/DVBT)SK.	
	117-04620-0931	M462 SENSOR LENS (SEMI-TRANS.WHITE/PMMA) ;ROHS	1
	117-04621-0931	M462 LED LENS (SEMI-TRANS.WHITE/PMMA) ;ROHS	1
	130-04624-1887	M518MB DISPLAY SWITCH ADAPTOR (L.GREY MNC7-0/POM);ROHS	1
FOR FRONT CAB X 2 FOR CD DOOR BRACKET X 2	144-12005-401	SCREW 2X5 KT;ROHS	4
FOR BOTTOM CAB. X 2 FOR METAL PLATE X 1 FOR TFT RING X 1	144-12005-411	SCREW 2X5 KT (BLACK) ;ROHS	4
	180-04624-010	M462 METAL BOTTOM CABINET (BLACK) ;ROHS	1
	R598MB-P-0410	R598MB DVD "SUNSTECH PLF-77TD" PACKING TO GERMANY (ROHS)	1
	015-80593-001	M593 DVB-T ANTENNA TQJ-V/U-BT4 (BOBOTO) VHF174-230/UHF470-862MHZ;ROHS	1
	043-26102-541	1P RCA CABLE #26UL 1M (2 SIDE RCA PLUG) YELLOW (Y001-D100U182549B) (YIP CHUN) ;ROHS	1
	043-26102-542	2P RCA CABLE #26UL 1M (2P SIDE RCA PLUG) WHITE/RED (Y001-D10025622637A49B) (Y.C.) ;ROHS	1
FOR BATTERY BOTTOM	136-70010-100	RUBBER FOOT (DIA.10X1)MM NITTO 500 TAPE MATERIAL: PORON #HH48C;ROHS	2
	998-00000-093	BATTERY CR2025 3V (YUFENG);(ROHS)	1
	MI-M598MB-001	R598MB (MI) DVD MAIN/CONT/TUNER BD. ASSY (W/LINE SELECT) (ROHS)	1
	MI-04620-100-15	R598MB (MI) DVD MAIN	1

Ref. No	Parts No.	Description	QTY
		BD.CHASSIS ASSY (W/LINE SELECT SWITCH)(FOR KHM313AHC)	
Q37	003-03906-100	TRANSISTOR 2N3906 (MOTOROLA) (PNP TO-92)	1
Q45	003-08050-393	TRANSISTOR 8050C (KEC)	1
R200	005-10121-314	RESISTOR 120 OHM +-5% 1/4W (ROHS)	1
CE14	009-10477-510	ELECT CAP 470 UF +80%-20% 10V (ROHS)	1
CE3,7,9,10,19,46,63,70,71,77 97,98,103, 105,107	009-30106-425	ELECT CAP 10 UF +-20% 25V (SS 4X7) (ROHS)	15
CE1,11,12,26,45,47,83,85,86, 89,90	009-30107-410	ELECT CAP 100 UF +-20% 10V (SS 5X7) (ROHS)	11
CE2,4,5	009-30107-416	ELECT CAP 100UF +-20% 16V (SS 6.3X7) (ROHS)	3
CE62,73	009-30227-410	ELECT CAP 220 UF +-20% 10V (SS 6.3X7) (ROHS)	2
CE52,57	009-30475-450	ELECT CAP 4.7 UF +-20% 50V (SS 4X7) (ROHS)	2
CE8,16,17,18,21,22,58	009-30476-410	ELECT CAP 47 UF +-20% 10V (SS 4X7) (ROHS)	7
CE6,87,88	009-30476-416	ELECT CAP 47 UF +-20% 16V (SS 5X7) (ROHS)	3
CE13,20,23,25,125,126	009-69107-406	ELECT CAP 100 UF +-20% 6.3V (SM 5X5) (ROHS)	6
CE24	009-80107-410-C02	ELECT CAP 100 UF +-20% 10V (CEC) LF TAPING 5MM (K101MBPN0507O) 5*7 (ROHS)	1
VOL1	010-20103-161	ROTARY VOL. R1016G21B1-A10K (DOUBLE) 10KA (SAME PROPIT) ;ROHS	1
L40,41	015-00003-101	CHOCK COIL 2 3/4 T NO.:R0157-CB33-858688 (ROHS)	2
L32,34,37,38	015-00011-001	TOROID COIL R142-880928 11T (COILS) (ROHS)	4
L19	015-00100-506	CHOKE COIL 10 UH DIA.6 (RADIAL TYPE) (CW65-100K) (ZHONGSHAN) ;ROHS	1
L18	015-00150-106	CHOKE COIL 15 UH DIA.6	1

Ref. No	Parts No.	Description	QTY
		(RADIAL TYPE) (CW65-150K) (ZHONGSHAN) ;ROHS	
L30	015-00331-106	CHOCK COIL 330 UH (CW45-331K) (RADIAL TYPE) ;ROHS	1
L1,4,15,17	015-00470-106	CHOKE COIL 47 UH DIA.6 (RADIAL TYPE) (CW65-470K) (ZHONGSHAN) ;ROHS	4
D25	019-12000-304	LED 3MM (RED) 304H (EVER CHANNEL) (ROHS)	1
D22,23	019-15000-340	L.E.D. DIAMETER 3MM (GREEN) L-34GDLK KINGBRIGHT(ROHS)	2
SW1	020-12203-151	SWITCH SK-22D03-VG3 (NS) (SEIKO) ;ROHS	1
S1	020-14204-112	SWITCH SK-42D01EG4 (SEE-PLUS) ;ROHS	1
S5,6	020-31100-061	DETECTOR SWITCH SPPB512300 (ALPS) ;ROHS	2
J9	021-23505-101	STEREO JACK EJS-3-0935B (DAIICHI) BLACK(ROHS)	1
J10	021-23505-106	STEREO JACK ST-35072-02 (SEE-PLUS) BLACK(ROHS)	1
J8	021-23505-107	ST.P/H JACK ST-3531HW (WHITE) (5 PINS) (SEE-PLUS) (ROHS)	1
J6	021-23506-105	STEREO JACK ST-3531HY (SEE-PLUS) YELLOW (ROHS)	1
J7	021-34503-101	DC JACK 3PINS (DC-014) SEIKO;ROHS	1
MAIN PCB (CON3) TO TFT PCB (YC)	025-10003-148	3P #30UL D.SHIELD WIRE 220MM (2P 1.25MM) JS-1146-03*2 (KARSON 920-333-00) ; ROHS	1
MAIN PCB (J4) TO USB BD. J4A	025-10004-154	4P #28UL D.SHIELD WIRE 200MM (2P 1.5MM) (ROHS)	1
MAIN PCB (J5) TO USB BD. J5A	025-10006-155	6P #28UL J.WIRE 150MM (2P 1.5MM) JST (WHITE) ;ROHS	1
MAIN PCB (CON1) TO TFT PCB (XS03)	025-10016-009	16P UL J.WIRE #32*16 230MM (2P 1MM) JST SHR-16V-S-B*2 (HOUSING +/-);ROHS	1
J4A	025-20004-109	4P WAFER H-TYPE (1.5MM PITCH) JST(ROHS)	1

Ref. No	Parts No.	Description	QTY
J4	025-20004-214	4P WAFER V-TYPE (1.5MM PITCH) (ROHS)	1
J1	025-20006-102	6P WAFER H-TYPE (2MM PITCH) JST(ROHS)	1
J5A	025-20006-108	6P WAFER H-TYPE (1.5MM PITCH) JST(ROHS)	1
J5	025-20006-208	6P WAFER V-TYPE (1.5MM PITCH) W150V06T00(ROHS)	1
L35	027-00000-004	FERRITE BEAT CORE (RH-3.5X6X1.0) (COILS NO.: 707866) AXIAL TYPE (ROHS)	1
BATT.PLATE SPRING(+) TO MAIN BD.BATT(+)	031-02151-040-001	JUMPER WIRE AWG22UL 150MM RED(ROHS)	1
BATT.PLATE SPRING(-) TO MAIN BD BATT(-)	031-10241-040-001	JUMPER WIRE AWG22UL 240MM BLACK(ROHS)	1
FOR 7" DISPLAY	032-10151-040-001	JUMPER WIRE AWG26UL 150MM BLACK(ROHS)	1
DISPLAY PCB (R+) TO R-SPEAKER (+)	033-03700-030-001	JUMPER WIRE AWG28UL 70MM ORANGE(ROHS)	1
DISPLAY PCB(L+) TO SPEAKER(+)	033-04700-030-001	JUMPER WIRE AWG28UL 70MM YELLOW(ROHS)	1
DISPLAY PCB(L-/R-) TO SPEAKER(-)	033-10700-030-001	JUMPER WIRE AWG28UL 70MM BLACK(ROHS)	2
USB1	046-80400-004	M560 USB CONNECTOR 4P USB AF 90 (WHITE)G-AUASW204GX (ALRIGHT) ROHS	1
Y1	052-27000-000	CRYSTAL: 27MHZ AT-49 TYPE (MEC) +-50PPM;ROHS	1
J3	061-06038-001	INFRARED REMOTE DETECTOR FM-6038LM(ROHS)	1
5MM * 1 CE15	202-10005-002	TINNED CCS WIRE (DIA. 0.5MM);ROHS(TIN PLATE WIRE W/STEEL)	0.000038
	MI-04620-700	M462MB (MI) DVD CONT.BD. CHASSIS ASSY	1
	001-05180-700	M518MB CONTROL P.C.B. (T=1MM) (138*35)MM (ROHS)	1
CONTOR PCB (CN701)	025-10008-090	8P F.WIRE #28UL/2561 120MM (1P 1.27MM) JS-1146-08 (KARSON	1

Ref. No	Parts No.	Description	QTY
		920-336-00) ;ROHS	
	048-10006-002	6MM CONNECTION PLATE (200G) (W/LEAD) (ROHS)	14
	MI-05930-100-02	M593 (MI) DVB-T TUNER BOARD CHASSIS ASSY(ROHS)	1
EC10	009-30105-450	ELECT CAP 1 UF +-20% 50V (SS 4X7) (ROHS)	1
EC11,12,18,19,29,30	009-30106-425	ELECT CAP 10 UF +-20% 25V (SS 4X7) (ROHS)	6
EC1,2,3,4,8,13,14,15,16,17,22,25	009-30107-410	ELECT CAP 100 UF +-20% 10V (SS 5X7) (ROHS)	12
EC20,24	009-30107-416	ELECT CAP 100UF +-20% 16V (SS 6.3X7) (ROHS)	2
EC32	009-30226-416	ELECT CAP 22 UF +-20% 16V (SS 4X7) (ROHS)	1
EC27	009-30227-410	ELECT CAP 220 UF +-20% 10V (SS 6.3X7) (ROHS)	1
EC21,23,26,28	009-30227-416	ELECT CAP 220 UF +-20% 16V (SS 6.3X7) (ROHS)	4
EC31	009-30335-450	ELECT CAP 3.3 UF +-20% 50V (SS 4X7) (ROHS)	1
EC5,6,7,9	009-30476-410	ELECT CAP 47 UF +-20% 10V (SS 4X7) (ROHS)	4
LED1	019-35000-113	LED 2X5MM L-113GDLK (GREEN) KINGBRIGHT(ROHS)	1
FOR J12	025-10002-204	2P J.WIRE #20UL 220MM (1P 2.5MM) JST (RED/BLACK);ROHS	1
	025-10004-168	4P RAC CABLE 400MM (2P 2MM)JSY A2001H-4P (3.5MM PLUG*2 MOND & ST.+4P R/W/GND/Y) ;ROHS	1
J10,11,12	025-20002-204	2P WAFER V-TYPE (2.5MM PITCH) JST(ROHS)	3
J3	025-20004-202	4P WAFER V-TYPE (2MM PITCH) JST (ROHS) (B4B-PH-K-S)	1
J2	025-20008-203	8P WAFER V-TYPE (2MM PITCH) JST(ROHS)	1
FOR DVB-T TUNER PCB (RED) & BATT (+) *1 FOR DVB-T TUNER PCB	027-13060-080	TOROID CORE (12.70*6.35*7.90)MM (COILS NO.:M191206079CL5) (ROHS)	2

Ref. No	Parts No.	Description	QTY
(BLK) & BATT (-) *1			
DVB-T TUNER PCB TO BATT (+)	031-02221-040-001	JUMPER WIRE AWG22UL 220MM RED(ROHS)	1
DVB-T TUNER PCB TO BATTERY (-)	031-10151-040-001	JUMPER WIRE AWG22UL 150MM BLACK(ROHS)	1
XTAL1	052-27000-000	CRYSTAL: 27MHZ AT-49 TYPE (MEC) +-50PPM;ROHS	1
U2	061-00404-002	DVB-T TUNER DNOS404PH104A (SAMSUNG) (HORIZONTAL MOUNT TYPE/DIN-JACK);ROHS	1
30MM*5 (FOR SHIELD PLATE TO GND)	202-10005-002	TINNED CCS WIRE (DIA. 0.5MM);ROHS (TIN PLATE WIRE W/STEEL)	0.000414
	MI-05930-700-01	M593 (MI) DVB CONTROL P.C.B.CHASSIS ASSY	1
	001-05930-700	M593 CONTROL P.C.B. (94HB) (22*40*1.6)MM "CHEERTEK" T212(ROHS)	1
R1,2	005-10100-306	RESISTOR 10 OHM +-5% 1/16W(ROHS)	2
C1	009-30107-410	ELECT CAP 100 UF +-20% 10V (SS 5X7) (ROHS)	1
SW1	020-22204-106	SWITCH SS-22F04 (2P2T) (SEE-SPLUS) (ROHS)	1
K1,2	020-31100-058	TACT SWITCH TC-00104C-00 (SEE-PLUG) (ROHS)	2
FOR INFRARED REMOTE	025-10003-066C	3P J.WIRE #26UL 120MM (1P 2MM) JST	1
CONTROL PCB (CN1) TO DVB-T TUNER PCB(J2)	025-10008-019	8P FLAT WIRE 190MM (1 PLUG 2MM) JST;ROHS	1
	061-00138-003	INFRARED REMOTE CONTROL RECEIVER MODULE HT138BS (MOBICON) 38KHZ;ROHS	1
	135-05932-201	M593 COPPER SHEET-02 (80*78*0.1)MM;ROHS (1 SIDE W/TAPE & COATING PAPER)	1
	MI-10550-710-01	R519MB (MI) TFT DRIVER BD.CHASSIS ASSY ROHS	1
CE15,16,17,18	009-30106-425	ELECT CAP 10 UF +-20% 25V (SS 4X7) (ROHS)	4

Ref. No	Parts No.	Description	QTY
FOR TFT DRIVER BD. J5	025-10003-180	3P J.WIRE #28UL 60MM (2P 1.25MM) JST(RED/WHITE/BLACK) (ROHS)	1
X1	052-20000-001	CRYSTAL: 20MHZ AT-49 TYPE (EMC) +-50PPM;ROHS	1
	SMT-R598MB-001	R598MB (SMT) MAIN/DRIVER/TUNER BD. ASSY(W/LINE SELECT) (ROHS)	1
	SMT-04620-100-15	R598MB (SMT) DVD MAIN BD.CHASSIS ASSY (W/LINE SELECT SWITCH)(FOR KHM313AHC)	1
	001-04620-100	M462 MAIN/PWR/USB P.C.B.(FR4) (T=1MM) (113*146)MM (R.6) (ROHS)	1
U10	002-00393-110	IC LM393DR (T.I.) SMT SOP08;ROHS	1
U1	002-01101-002-170	IC RP1101-19CXL (RICH POWER) 1.9V/300MA SOT-89(L-TYPE)SMT;ROHS	1
U2,13,14	002-01380-000-101	IC AT1380HP (AIMTRON) SMT TSSOP8;ROHS	3
U5	002-01389-854	IC MT1389DE (MEDIATEK) SMT (5.1 CH/WMA/DIVX/USB) ; ROHS	1
U3	002-02073-180	IC NJM2073M (JRC) ;ROHS	1
U12	002-02402-451	IC AT24C02A-10SC-207 (SO-8) (ATMEL) (EEPROM) (ROHS)	1
U6	002-02964-001-163	IC LS2964S (LINKAS) SOP-8 (SMT) NIMH BATTERY CHARGER CONTROLLER IC (ROHS)	1
U15	002-04340-410	IC CS4340 (CRYSTAL) (ROHS)	1
U6	002-04558-110	IC RC4558D (T.I.) (SOP08) SMT(ROHS)	1
U4	002-05654-101	IC AT5654H (AIMTRON) (SMT) (ROHS)	1
U7	002-09701-920	IC RT9701CB (RICHTEK) SMT SOT25(ROHS)	1
U9	002-46416-061	IC K4S641632H-UC75 TSOP-54	1

Ref. No	Parts No.	Description	QTY
		(SAMSUNG) 64M SDRAM IC (133MHZ) (ROHS)	
U11	002-49163-450	IC AT49BV163A-70TU (ATMEL) TSOP-48 16M FLASH MEMORY IC (SMT) LEAD FREE(ROHS)	1
Q7,22,25,27	003-20323-140	CHIP TRANSISTOR DTC323TU (UMT3) ROHM (ROHS)	4
Q4,5,30	003-21132-149	CHIP TRANSISTOR 2SB1132R (MPT3) (ROHM) (ROHS)	3
Q1,2	003-23018-140	CHIP TRANSISTOR 2SK3018,SOT-23 (ROHM) (ROHS)	2
Q9,16	003-23065-140	CHIP TRANSISTOR 2SK3065 (ROHM) SMALL SWITCHING (60V,2A) (ROHS)	2
Q29	003-23400-001-137	CHIP TRANSISTOR AO3400 (ALPHA & OMEGA) SOT-23 (ROHS)	1
Q10,26	003-23401-001-137	CHIP TRANSISTOR AO3401 (ALPHA & OMEGA) SOT-23 (ROHS)	2
Q3,6,8,11,12,15,17,18,19, 20,21,23,24,32,34,35,36	003-23904-001-114	CHIP TRANSISTOR NPN FMMT3904 (HSMC) (ROHS)	17
Q14,28,31,33	003-23906-001-114	CHIP TRANSISTOR PNP FMMT3906 (HSMC) (ROHS)	4
Q13	003-27002-100	CHIP TRANSISTOR 2N7002LT1 SOT-23(MOTOROLA) (ROHS)	1
D15	004-80051-401	SW.DIODES RB051L-40 (ROHM) SMT(ROHS)	1
Z15	004-80056-215	ZENER DIODE UDZ5.6B (ROHM) 5.6V 0.2W SMT(ROHS)	2
Z6	004-80075-215	ZENER DIDOE UDZ7.5B (ROHM) 7.5V 0.2W SMT (ROHS)	1
Z7	004-80091-215	ZENER DIODE UDZS9.1B-TRB (ROHM)9.1V 0.2W UDZ-STE179.1B (SMT) (ROHS)	1
Z3	004-80110-215	ZENER DIODE UDZS11B-TRB (ROHM) 11V 0.2W SMT (ROHS)	1
Z4	004-80120-215	ZENER DIODE UDZS12B-TRB (ROHM) 12V 0.2W SMT(ROHS)	1
Z2	004-80130-215	ZENER DIODE UDZS13B-TRB (ROHM) 13V 0.2W SMT(ROHS)	1
D27	004-80154-400	SW. DIODE 1SR154-400-TRB (ROHM) SMT(ROHS)	1
D4,10,11	004-80160-401	SCHOTTKY DIODE RB160L-60 (ROHM) SMT(ROHS)	3
D19	004-80202-400	SW. DIODE DAN202K (ROHM) SMT (SMD3) SC-59 (DAN202K-TLB) (ROHS)	1
D1,2,5,6,8,12,13	004-80217-400	DIODE DAN217 (ROHM) SMT(ROHS)	7
D3,9,14,16,18,20,21	004-80355-400	SW. DIODE 1SS355-TRB (ROHM) SMT(ROHS)	7
D17	004-80520-401	SW. DIODES RB520S-30 (ROHM) SMT(ROHS)	1
R100	005-50471-301	CHIP RESISTOR 470 OHM (2012) (MCR10EZHJ471) (ROHS)	1
R26,27,28,29,31,61,62,67,99, 102,159, 188,L7,D7	005-52000-301	CHIP RESISTOR 0 OHM +-5% (1608) (ROHS)	14
R74,81,83,87,90,91,92,154,16 4	005-52100-301	CHIP RESISTOR 10 OHM +-5% (1608) (MCR03EZHJ100) (ROHS)	9
R114,120,185,195	005-52101-301	CHIP RESISTOR 100 OHM +-5% (1608) (MCR03EZHJ101) (ROHS)	4
R4,5,6,24,33,40,48,109, 116, 122,197,199	005-52102-301	CHIP RESISTOR 1 K +-5% (1608) (MCH03EZHJ102)	12
R16,32,35,54,126,129,149, 155,165,168,189	005-52104-301	CHIP RESISTOR 100 K +-5% (1608) (ROHS)	11
R22,42,43,44,45,59	005-52109-301	CHIP RESISTOR 1 OHM +-5% (1608) (ROHS)	6
R2,34,50,52,58,68,69,72, 73,76,77,78, 79,82,84,93, 94,95,106,115,119,127, 130,146,150,152,167,173, 174,196	005-52103-301	CHIP RESISTOR 10 K +-5% (1608) (ROHS)	30
R20,63,64,176,177,178,179	005-52121-301	CHIP RESISTOR 120 OHM +-5% (1608) (ROHS)	7
R158	005-52123-301	CHIP RESISTOR 12 K +-5% (1608) (MCR03EZHJ123) (ROHS)	1
R14,46,49,183,187	005-52153-301	CHIP RESISTOR 15 K +-5% (1608) (ROHS)	5
R17,19	005-52154-301	CHIP RESISTOR 150 K +-5% (1608)	2

Ref. No	Parts No.	Description	QTY
		(ROHS)	
R47,184	005-52183-301	CHIP RESISTOR 18 K +-5% (1608) (ROHS)	2
R125,128	005-52184-301	CHIP RESISTOR 180 K +-5% (1608) (ROHS)	2
R60,98,153	005-52202-301	CHIP RESISTOR 2 K +-5% (1608) (ROHS)	3
R51,53,56,104,117,121	005-52203-301	CHIP RESISTOR 20 K +-5% (1608) (ROHS)	6
R145	005-52220-301	CHIP RESISTOR 22 OHM +-5% (1608) (ROHS)	1
R13,23	005-52221-301	CHIP RESISTOR 220 OHM +-5% (1608) (MCR03EZHJ221) (ROHS)	2
R30,148	005-52222-301	CHIP RESISTOR 2.2 K +-5% (1608) (MCH03EZHJ222) (ROHS)	2
R162	005-52224-301	CHIP RESISTOR 220 K +-5% (1608) (MCR03EZHJ224) (ROHS)	1
R75,80,89	005-52302-301	CHIP RESISTOR 3 K +-5% (1608) (MCH03EZHJ302) (ROHS)	3
R7,137,141,190	005-52330-301	CHIP RESITOR 33 OHM +-5% (1608) (ROHS)	4
R65,66	005-52331-301	CHIP RESISTOR 330 OHM +-5% (1608) (ROHS)	2
R37	005-52334-301	CHIP RESISTOR 330 K +-5% (1608) (MCR03EZHJ334) (ROHS)	1
R70,85,96	005-52391-301	CHIP RESISTOR 390 OHM +-5% (1608) (ROHS)	3
R136,142	005-52393-301	CHIP RESISTOR 39 K +-5% (1608) (MCR03EZHJ393) (ROHS)	2
R186	005-52470-301	CHIP RESISTOR 47 OHM +-5% (1608) (MCR03EZHJ470) (ROHS)	1
R9,103,139,163	005-52471-301	CHIP RESISTOR 470 OHM +-5% (1608) (ROHS)	4
R8,88,105,124,151,157, 166	005-52472-301	CHIP RESISTOR 4.7 K +-5% (1608) (ROHS)	7
R101,107,108,143,144,175,182,193	005-52473-301	CHIP RESISTOR 47 K +-5% (1608) (ROHS)	8
R12,39,41,111,113,138, 161	005-52479-301	CHIP RESISTOR 4.7 OHM +-5% (1608) (ROHS)	7
R131,132	005-52512-301	CHIP RESISTOR 5.1 K +-5% (1608)	2

Ref. No	Parts No.	Description	QTY
		(ROHS)	
R25	005-52561-301	CHIP RESISTOR 560 OHM +-5% (1608) (ROHS)	1
R55,123,147	005-52562-301	CHIP RESISTOR 5.6K +-5% (1608) (ROHS)	3
R71,86,97	005-52563-301	CHIP RESISTOR 56 K +-5% (1608) (MCR03EZHJ563) (ROHS)	3
R172	005-52564-301	CHIP RESISTOR 560 K +-5% (1608) (ROHS)	1
R191	005-52680-301	CHIP RESISTOR 68 OHM +-5% (1608) (ROHS)	1
R10,15	005-52684-301	CHIP RESISTOR 680 K +-5% (1608) (ROHS)	2
R1,156,160	005-52689-301	CHIP RESISTOR 6.8 OHM +-5% (1608) (ROHS)	3
R180,181	005-52750-301	CHIP RESISTOR 75 OHM +-5% (1608) (ROHS)	2
R3	005-52754-301	CHIP RESISTOR 750 K +-5% (1608) (ROHS)	1
R11,21,38	005-52820-301	CHIP RESISTOR 82 OHM +-5% (1608) (ROHS)	3
R110,118,133,135,140	005-52822-301	CHIP RESISTER 8.2 K +-5% (1608) (ROHS)	5
R134	005-52912-301	CHIP RESISTOR 9.1 K +-5% (1608) (ROHS)	1
RN1,2,3	005-53103-301	CHIP RESISTOR (MULTPLE) 10 K +-5% (1608) X 4 (RCML08W103JB) ARRAY (ROHS)	3
R57	005-54278-301	CHIP RESISTOR 0.27 OHM+-5% (5025) (ROHS)	1
CB4,14,29,33	006-72100-250	CERAMIC CHIP CAP 10 PF +-5% 50V (1608) (ROHS) NPO	4
C22,72,137,155,CB27,32	006-72101-250	CERAMIC CHIP CAP 100 PF +-5% 50V (1608) (ROHS) NPO	6
C15,16,23,24,25,26,27,81,95,127,154	006-72105-410	CERAMIC CHIP CAP 1 UF +-20% 10V (1608) (ROHS) Y5V	11
C6	006-72102-350	CERAMIC CHIP CAP 0.001 UF +-10% 50V (1608) (ROHS) X7R	1
C19	006-72103-350	CERAMIC CHIP CAP 0.01 UF +-10% 50V(1608) (ROHS) X7R	1

Ref. No	Parts No.	Description	QTY
		(MCH185CN103KK)	
C5,20,66,68,76,78,92,94	006-72105-416	CERAMIC CHIP CAP 1 UF +-%20 16V (1608) (ROHS) Y5V	8
C49,50,51,54,56,58,60	006-72105-435	CERAMIC CHIP CAP 1 UF +-20% 35V (1608) (ROHS) Y5V	7
C7,8,12,13,21,29,30,33,34,35, 36,39,43,45, 46,48,61, 64,69,71,73,74,77,79,82,91,93 , 96,102,104,108,111, 112,113,114,115,116, 117, 118,119,120,121,138,139, 140,142,143, 145,162, CB1,3,15,16,18,19,20,21, 22,23,25,28,46, 47,48,49, 50,51,52,53,60	006-72104-525	CERAMIC CHIP CAP 0.1 UF +80%-20% 25V (1608) (MCH182F104ZK) (ROHS) Y5V	70
C41,42	006-72151-250	CERAMIC CHIP CAP 150 PF +-5% 50V (1608) (ROHS) NPO	2
C53	006-72152-350	CERAMIC CHIP CAP 0.0015 UF +-10% 50V (1608) (ROHS) X7R	1
C40	006-72153-350	CERAMIC CHIP CAP 0.015 UF +-10% 50V (1608) (ROHS) X7R	1
C28	006-72180-250	CERAMIC CHIP CAP 18 PF +-5% 50V (1608) (ROHS) NPO	1
C4	006-72200-250	CERAMIC CHIP CAP 20 PF +-5% 50V (1608) (ROHS) NPO	1
CB9,24,31	006-72220-250	CERAMIC CHIP CAP 22 PF +-5% 50V (1608) (ROHS) NPO	3
C101,106,CB17,30,34	006-72221-250	CERAMIC CHIP CAP 220 PF +-5% 50V (1608) (ROHS) NPO	5
C3,47,52,55,57,62,63,67, 70,	006-72222-350	CERAMIC CHIP CAP 0.0022 UF +-10% 50V (1608) (ROHS) X7R	10
C10,11	006-72270-250	CERAMIC CHIP CAP 27 PF +-5% 50V (1608) (ROHS) NPO	2
C32,65,75	006-72271-250	CERAMIC CHIP CAP 270 PF +-5% 50V (1608) (ROHS) NPO	3
C84	006-72330-250	CERAMIC CHIP CAP 33 PF +-5% 50V (1608) (ROHS) NPO	1
CB37,38	006-72331-250	CERAMIC CHIP CAP 330 PF +-5% 50V (1608) (ROHS) NPO	2
C141,144	006-72332-350	CERAMIC CHIP CAP 0.0033 UF +-10% 50V(1608) (ROHS) X7R	2
C14,80,83	006-72333-325	CERAMIC CHIP CAP 0.033 UF +-10% 25V(1608) (ROHS) X7R (MCH182C333KK)	3
C1	006-72391-250	CERAMIC CHIP CAP 390 PF +-5% 50V(1608) (ROHS) NPO	1
CB30	006-72392-350	CERAMIC CHIP CAP 0.0039UF +-10% 50V (1608) (ROHS) Y5V	1
CB2,7	006-72470-250	CERAMIC CHIP CAP 47 PF +-5% 50V (1608) (ROHS) NPO	2
C99,100	006-72472-250	CERAMIC CHIP CAP 0.0047 UF +-5% 50V (1608) (ROHS) NPO	2
C17,18	006-72473-350	CERAMIC CHIP CAP 0.047 UF +-10% 50V(1608) (ROHS) X7R	2
L2,3,11,13	015-00018-901	CHIP INDUCTOR 1.8 UH (0805) (COILS) CCSP0805FIR8J;ROHS	4
L21,22	015-00100-904	CHIP INDUCTOR 10 UH (CCSP 0805F 10RJ) (COILS) ;ROHS	2
L4	015-00220-916	CHIP INDUCTOR 22UH (SMT)(EBL2012-220K,M) ;ROHS	1
CON1	025-20016-503	16P HEADER D-TYPE WAFER (1MM PITCH) (NO:990-775-00) (ROHS)	1
CON3	025-23003-101	3P WAFER H-TYPE (1.25MM PITCH) KARSON 990-777-00 (SMT) (ROHS)	1
J2	025-23008-101	8P WAFER H-TYPE (1.25MM PITCH) KARSON 990-778-00 (SMT) (ROHS)	1
HA2	025-50024-205	24P ZIF CONN.V-TYPE (0.5MM PITCH) SMT (CF2024 IVORO) (ROHS)	1
L5,6,8,9,10,12,14,16,20,23,24, 25,26, 27,28,29	027-01121-002	CHIP FERRITE BEAD BK2125HM121 (TAI) (ROHS)	16
FUSE1	050-42410-201	2A/125V (SMT) FUSE (2410) SLOW BLOW BEL/TYPE SST2 UL/CE/CSA(ROHS)	1
S3	065-00012-001	RELAY ME12-S-5 (5V) (MASSUSE) (ROHS)	1

Ref. No	Parts No.	Description	QTY
	SMT-10550-710-01	R519MB (SMT) TFT DRIVER BD.CHASSIS ASSY (ROHS)	1
	001-10550-710	I1055 7" TFT DRIVER PCB (4 LAYER) (94V0) (121*23*1)MM (ROHS)(R.2)	1
U2	002-01102-001-170	IC RP1102-33CGL(RICH POWER) 3.3V/500MA SOT-223 (L-TYPE)SMT;ROHS	1
U1	002-01828-001-209	IC VX1828 (VXIS) 100-PIN LQFP (SMT)	1
U3	002-03414-180	IC NJM3414AM-TE1 (NJRC) (SMT);ROHS	1
Q1,2,3	003-23904-001-114	CHIP TRANSISTOR NPN FMMT3904 (HSMC) (ROHS)	3
R41,L4,5	005-52000-301	CHIP RESISTOR 0 OHM +-5% (1608) (ROHS)	3
R46	005-52102-301	CHIP RESISTOR 1 K +-5% (1608) (ROHS)	1
R2,45,47	005-52103-301	CHIP RESISTOR 10 K +-5% (1608) (ROHS)	3
R34,35,36	005-52104-301	CHIP RESISTOR 100 K +-5% (1608) (ROHS)	3
R8	005-52105-301	CHIP RESISTOR 1 M +-5% (1608) (MCR03EZHJ105) (ROHS)	1
R38,44	005-52153-301	CHIP RESISTOR 15 K +-5% (1608) (ROHS)	2
R43	005-52201-301	CHIP RESISTOR 200 OHM +-5% (1608) (ROHS)	1
R18,23,28	005-52223-301	CHIP RESISTOR 22 K +-5% (1608) (ROHS)	3
R19,24,29	005-52271-301	CHIP RESISTOR 270 OHM +-5% (1608) (ROHS)	1
R39	005-52330-301	CHIP RESITOR 33 OHM +-5% (1608) (ROHS)	1
R1,3,4,9,10,13,14,15,16,21,26,31	005-52331-301	CHIP RESISTOR 330 OHM +-5% (1608) (ROHS)	12
R32,33,37	005-52332-301	CHIP RESISTOR 3.3 K +-5% (1608) (MCR03EZHJ332) (ROHS)	3
R11,12	005-52622-301	CHIP RESISTOR 6.2K +-5% (1608) (ROHS)	2
R20,25,30	005-52683-301	CHIP RESISTOR 68 K +-5% (1608) (MCR03EZHJ683) (ROHS)	3
R6,7,17,22,27	005-52750-301	CHIP RESISTOR 75 OHM +-5% (1608) (ROHS)	5
C1,2,3,6,7,9,10,13,18,19, 20,21,22,23, 25,26,28,29, 30,31,32,33,34,35,36,37,38,39 ,40,42,44,46,47,48,49, 50,51,52	006-72104-525	CERAMIC CHIP CAP 0.1 UF +80%-20% 25V(1608) (ROHS) Y5V	38
C4,5,8,12	006-72220-250	CERAMIC CHIP CAP 22 PF +-5% 50V (1608) (ROHS) NPO	4
C24	006-72330-250	CERAMIC CHIP CAP 33 PF +-5% 50V (1608) (ROHS) NPO	1
C11	006-72473-350	CERAMIC CHIP CAP 0.047 UF +-10% 50V(1608) (ROHS) X7R	1
C27	006-72820-250	CERAMIC CHIP CAP 82 PF +-5% 50V (1608) (ROHS) NPO	1
VR1	012-18473-101	CHIP SEMI-FIXED EVM3Y-SX30-BQ4 B47KB (H-TYPE) (3 PINS) (PANASONIC);ROHS	1
L2	015-00100-904	CHIP INDUCTOR 10 UH (CCSP 0805F 10RJ) (COILS);ROHS	1
J4	025-20016-503	16P HEADER D-TYPE WAFER (1MM PITCH) (NO:990-775-00) (ROHS)	1
J6	025-20026-102	26P CONNECTOR H-TYPE SMT(0.5MM PITCH) W/FLIP LOOK (LOW CONTACT)(ROHS)	1
J1,5	025-23003-101	3P WAFER H-TYPE (1.25MM PITCH) KARSON 990-777-00 (SMT) (ROHS)	2
L1,3,6,7,9,10,11	027-01121-002	CHIP FERRITE BEAD BK2125HM121 (TAI) (ROHS)	7
CE6,7,8,11,12,13,14	047-11106-410-E01	TANTALUM CHIP CAP 10 UF +-20% 10V (ELAN) (SK6-1A106M-RC) (3.2X1.6X1.6/CASE A) ;ROHS	7
CE5,10	047-11107-406-K02	TANTALUM CHIP CAP 100UF +-20% 6.3V KEMET T491B107M006AS;3.5*2.8*1.9/CA	2

Ref. No	Parts No.	Description	QTY
		SE B;ROHS	
CE1,4,9	047-11476-406-K01	TANTALUM CHIP CAP 47 UF +-20% 6.3V(ROHS) 3.2*1.6*1.6/CASE A;KEMET;T491A476M006AS	3
	SMT-76000-400	R600MB 7" INVERTER BOARD CHASSIS ASSY(IC MP1522ET)	1
	001-76000-400	R600 INVERTER P.C.B. (2 LAYER) (FR4) (50*12*1)MM (ROHS)	1
U1	002-01522-001-167	IC MP1522ET (MPS) SOT23-5 (SMT) 25V STEP-UP CONVERTER IC (ROHS)	1
D1	004-80051-402	CHIP SHOTTKY BARRIER DIODE RSX051VA-30(ROHM) ROHS	1
D2	004-80355-400	SW. DIODE 1SS355-TRB (ROHM) SMT (ROHS)	1
R5	005-52100-301	CHIP RESISTOR 10 OHM +-5% (1608) (ROHS)	1
R1	005-52104-301	CHIP RESISTOR 100 K +-5% (1608) (ROHS)	1
R4	005-52120-301	CHIP RESISTOR 12 OHM +-5% (1608) (ROHS)	1
R7	005-52272-301	CHIP RESISTOR 2.7 K +-5% (1608) (MCR03EZHJ272) (ROHS)	1
R2	005-52561-301	CHIP RESISTOR 560 OHM +-5% (1608) (ROHS)	1
R3	005-52562-301	CHIP RESISTOR 5.6K +-5% (1608) (ROHS)	1
L1	015-00150-901	CHIP INDUCTOR 15 UH (DRH4D28-150M) COILS(ROHS)	1
C15	006-72104-525	CERAMIC CHIP CAP 0.1 UF +80%-20% 25V(1608) (ROHS) Y5V	2
L2	015-00220-910	CHIP INDUCTOR 22 UH (DRH4D28-220M) COILS (ROHS)	1
J2	025-20002-114	2P WAFER H-TYPE (3.5MM PITCH) JST (ROHS) 3502P0210T (LANDWIN)	1
J1	025-23003-101	3P WAFER H-TYPE (1.25MM PITCH) KARSON 990-777-00 (SMT) (ROHS)	1
L3	027-01121-002	CHIP FERRITE BEAD	1

Ref. No	Parts No.	Description	QTY
		BK2125HM121 (TAI) (ROHS)	
C2	047-11106-425	TANTALUM CHIP CAP 10 UF +-20% 25V(6X3.2/CASE C);ROHS	1
C3	047-11475-425-E	TANTALUM CHIP CAP 4.7 UF +-20% 25V(ELNA) (SK6-1E475M-RB) (3.4X2.8X1.9/CASE B);ROHS	1
C4	047-11476-416-E	TANTALUM CHIP CAP 47 UF +-20% 16V (ELNA) (SK6-1C476M-RC)(6.0X3.2X2.5/CASE C);ROHS	1
	SMT-05930-100-02	R598 (SMT)DVB-T TUNER BOARD CHASSIS ASSY (ROHS)	1
	001-05930-100	M593 DVB-T TUNER P.C.B. (4 LAYER); R.1;ROHS (167*60*1)MM	1
		"CHEERTEK" CT212 VER 1.52	
U3	002-00212-001-183	IC CT212T (CHEERTEK) QFP-208 (SMT);ROHS DIGITAL TV STB BACKEND PROCESSOR	1
U10	002-01117-005-112	IC B1117N-ADJ (BAY LINEAR) SMT SOT-223 (ADJUSTABLE) VOLTAGE REGULATOR IC; ROHS	1
U6	002-02402-452	IC AT24C02BN-10SU-1.8 (SO-8) (ATMEL) (EEPROM)(ROHS)	1
U5	002-04345-410	IC CS4345-CZZ (CRYSTAL) TSSOP-10 (SMT) 24-BIT,192 KHZ ST. D/A CONVERTER IC;ROHS	1
U7	002-04558-110	IC RC4558D (T.I.) (SOP08) SMT;ROHS	1
U8,9	002-09141-001-167	IC MP9141ES-LF-Z (MPS) SOIC8 SMT 1.8A STEP-DOWN DC TO DC CONVERTER (ROHS)	2
U4	002-29008-001-184	IC S29AL008D70TFI020 (SPANSION) TSOP48 8M FLASH MEMORY IC (SMT) ;ROHS	1
U1	002-46416-061	IC K4S641632H-UC75 TSOP-54 (SAMSUNG) 64M SDRAM IC (133MHZ) (ROHS)	1
Q1	003-20807-640	CHIP TRANSISTOR PNP BC807-25 SOT-23 (FAIRCHILD) (ROHS)	1
Q3,10,12	003-20847-242	CHIP TRANSISTOR NPN BC847B SOT-23 (PHILIPS) (ROHS)	3

Ref. No	Parts No.	Description	QTY
Q11	003-20857-242	CHIP TRANSISTOR PNP BC857B SOT-23 (PHILIPS) (ROHS)	1
Q2,4,5,9	003-23904-001-114	CHIP TRANSISTOR NPN FMMT3904 (HSMC) (ROHS)	4
Q6,7,8	003-23906-001-114	CHIP TRANSISTOR PNP FMMT3906 (HSMC) (ROHS)	3
D6	004-80051-215	ZENER DIODE UDZS5.1B (ROHM) 5.1V (0.2W) UDZS5R1(B)-TRB (SMT) (ROHS)	1
D8	004-80154-400	SW. DIODE 1SR154-400-TRB (ROHM) SMT(ROHS)	1
D7,9	004-80160-401	SCHOTTKY DIODE RB160L-60 (ROHM) SMT(ROHS)	2
D1,2,3,4,5	004-84148-400	SW. DIODE LL4148 (GOOD EXCEL) SMT(ROHS)	5
FB98	005-50000-301	CHIP RESISTOR O OHM +-5% (2012) (MCR10EZHJ000) (ROHS)	1
R79	005-50150-301	CHIP RESISTOR 15 OHM +-5% (2012) (ROHS)	1
R24,55,83	005-52000-301	CHIP RESISTOR 0 OHM +-5% (1608) (ROHS)	3
R9,73,74,75	005-52101-301	CHIP RESISTOR 100 OHM +-5% (1608) (ROHS)	4
R39,43,50,52,57,66	005-52102-301	CHIP RESISTOR 1 K +-5% (1608) (ROHS)	6
R1,2,3,11,17,20,25,37,41,44,46,49,51,58,63,64,67,68,72,84	005-52103-301	CHIP RESISTOR 10 K +-5% (1608) (ROHS)	20
R56	005-52104-301	CHIP RESISTOR 100 K +-5% (1608) (ROHS)	1
R34	005-52105-301	CHIP RESISTOR 1 M +-5% (1608) (MCR03EZHJ105) (ROHS)	1
R69	005-52153-301	CHIP RESISTOR 15 K +-5% (1608) (ROHS)	1
R60	005-52182-301	CHIP RESISTOR 1.8 K +-5% (1608) (ROHS)	1
R36,48	005-52203-301	CHIP RESISTOR 20 K +-5% (1608) (ROHS)	2
R71	005-52221-301	CHIP RESISTOR 220 OHM +-5% (1608) (MCR03EZHJ221) (ROHS)	1

Ref. No	Parts No.	Description	QTY
R61,70,80	005-52222-301	CHIP RESISTOR 2.2 K +-5% (1608) (ROHS)	3
R53	005-52223-301	CHIP RESISTOR 22 K +-5% (1608) (ROHS)	1
R28	005-52229-301	CHIP RESISTOR 2.2 OHM +-5% (1608) (ROHS)	1
R29,47	005-52243-301	CHIP RESISTOR 24 K +-5% (1608) (MCR03EZHJ243) (ROHS)	2
R65	005-52303-301	CHIP RESISTOR 30 K +-5% (1608) (ROHS)	1
R5,8,10,18,19,22,23,31,32,35,38,40,42	005-52330-301	CHIP RESITOR 33 OHM +-5% (1608) (ROHS)	13
R6,77	005-52333-301	CHIP RESISTOR 33 K +-5% (1608) (ROHS)	2
R27	005-52431-301	CHIP RESISTOR 430 OHM +-5% (1608) (ROHS)	1
R54	005-52471-301	CHIP RESISTOR 470 OHM +-5% (1608) (ROHS)	1
R4,7,12,13,14,15,16,30,33,62,76,78,82	005-52472-301	CHIP RESISTOR 4.7 K +-5% (1608) (ROHS)	13
R59	005-52473-301	CHIP RESISTOR 47 K +-5% (1608) (ROHS)	1
R45	005-52479-301	CHIP RESISTOR 4.7 OHM +-5% (1608) (ROHS)	1
R26	005-52820-301	CHIP RESISTOR 82 OHM +-5% (1608) (ROHS)	1
R81	005-52822-301	CHIP RESISTER 8.2 K +-5% (1608) (ROHS)	1
RN1,RNM1,RNM2,RNM3	005-53330-301	CHIP RESISTOR (MULTPLE) 33 OHM +-5% (1608) X 4(ROHS)	4
C21	006-72100-250	CERAMIC CHIP CAP 10 PF +-5% 50V (1608) (ROHS) NPO	1
C22,23	006-72101-250	CERAMIC CHIP CAP 100 PF +-5% 50V (1608) (ROHS) NPO	2
C13,15,17	006-72102-250	CERAMIC CHIP CAP 0.001 UF +-5% 50V(1608) (ROHS) NPO	3
C64,70	006-72103-250	CERAMIC CHIP CAP 0.01 UF+-5% 50V (1608) (ROHS) NPO	2
C20	006-72105-435	CERAMIC CHIP CAP 1 UF +-20% 35V (1608) (ROHS) Y5V	1

Ref. No	Parts No.	Description	QTY
C31,61	006-72121-250	CERAMIC CHIP CAP 120 PF +-5% 50V (1608) (ROHS) NPO	2
C1,2,3,4,5,6,8,9,10,11,12,14,16,25,26,27,28,29,30,38,39,40,41,42,43,44,45,46,4748,49,50,51,52,53,54,55,5657,58,59,60,65,68,69,71,7475,76,CX1,CX2BC1,BC2	006-72104-350	CERAMIC CHIP CAP 0.1 UF +-10% 50V (1608) (ROHS) X7R	53
C19,24,32,33	006-72220-250	CERAMIC CHIP CAP 22 PF +-5% 50V (1608) (ROHS) NPO	4
C72	006-72273-350	CERAMIC CHIP CAP 0.027 UF +-10% 50V (1608) (ROHS) X7R	1
C35,63	006-72470-250	CERAMIC CHIP CAP 47 PF +-5% 50V (1608) (ROHS) NPO	2
C66	006-72473-350	CERAMIC CHIP CAP 0.047 UF +-10% 50V (1608) (ROHS) X7R	1
C34,62	006-72821-250	CERAMIC CHIP CAP 820 PF +-5% 50V (1608) (ROHS) NPO	2
L5	015-00010-900	CHIP INDUCTOR 1UH (SMT) (EBL2012-1R0K,M) (ROHS)	1
L1,2,3,4,FB79,91,100,101,134	015-00220-916	CHIP INDUCTOR 22UH (SMT)(EBL2012-220K,M) (ROHS)	10
L6,7	015-00221-901	CHIP INDUCTOR 220 UH (SMT) (DA75NP) (COILS) (7.0*7.8*5.3)MM (ROHS)	2
FB1,4,11,13,15,17,18	027-01094-001	CHIP BEADS BK2125 HS750-T +-25% (2125) TAPE & REEL "TAIYO YUDEN" (VTL1094-A-T) (ROHS)	7
FB62,63,64	027-01121-002	CHIP FERRITE BEAD BK2125HM121 (TAI) (ROHS)	3
FB2,3,5,6,8,9,10,14	027-01601-003	CHIP BEAD BLM21A601SPT (2125) (MURATA) TAPE REEL (ROHS)	8